

AD-A062 048

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) WHIDBEY --ETC(U)
JUL 78

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Whidbey Island, WA.												
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.												

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY 24255	STATION NAME Whidbey Island, Washington	LATITUDE 48°21'N	LONGITUDE 122°40'W	STATION ELEV. (FT.) 47	CALL SIGN KNWU	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office in ops bldg	Navy	*1949	1955	48°21'N	122°40'W	25	Tonnelot	24
2.	In penthouse above main portion of the roof of new ops bldg	"	1955	1965	"	"	54	"	24
3.	Weather service office, bldg #385	"	1965	1973	"	"	32	Fortin	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	Atop operations building	3-cup Selsyn "	Double register "	-	* Earlier documentation not available
2.	1955	Atop "Penthouse" located atop of the main portion of new ops bldg			58'	1. Barometer, aneroid (ML-448/UM)
3.	1959	Both selsyn and double register anemometers removed and replaced with AN/UMQ-5 which is located 2800' from the ops bldg on a bearing of 059°	AN/UMQ-5	RD-108B	13'	2. Barograph (AERO-1932) 3. Semi-auto met sta (AN/GNQ-14A) 4. Ceiling light
4.	1963	Runway intersection	AN/UMQ-5C	RD-108	13'	5. Cloud height set (AN/GNQ-13B) 6. Transmissometer (AN/GNQ-10)

78 11 30 037

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

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24255

WHIDBEY ISLAND, WASHINGTON

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		16.1		1.3		17.4	16.1				16.1	155
	04		17.4		2.6		19.4	19.4				19.4	155
	07		12.9		1.3		14.2	16.1				16.1	155
	10		14.2		1.3		15.5	10.3	.6			11.0	155
	13		13.5		1.3		14.2	11.0	1.3			11.6	155
	16		21.9		2.6		23.9	10.3	1.3			11.0	155
	19		17.4		3.9		20.6	11.6	1.3			12.3	155
	22		11.6		1.3		12.9	12.9	1.3	.6		13.5	155
TOTALS			15.6		2.0		17.3	13.5	.7	.1		13.9	1240

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WEATHER CONDITIONS

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24255 WHIDBEY ISLAND, WASHINGTON 73-77 FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		14.2		2.8		15.6	7.8				7.8	141
	04		19.1		.7		19.1	12.1	.7			12.1	141
	07		19.9		3.5		21.3	9.9	.7			9.9	141
	10		10.6		1.4		11.3	7.8				7.8	141
	13		14.2		1.4		14.2	6.4	.7			7.1	141
	16		14.2		1.4		14.2	5.0				5.0	141
	19		17.7		1.4		18.4	5.0				5.0	141
	22		8.5		.7		9.2	5.7				5.7	141
TOTALS			14.8		1.7		15.4	7.5	.3			7.6	1128

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

24255

WHIDBEY ISLAND, WASHINGTON

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		8.4				8.4	3.2				3.2	155
	04		16.1		1.3		17.4	7.1				7.1	155
	07		12.3				12.3	5.8	.6			6.5	155
	10		11.0		.6		11.6	2.6				2.6	155
	13		7.1				7.1	.6				.6	155
	16		9.7		.6		10.3	.6				.6	155
	19		16.1		.6		16.8	1.9				1.9	155
	22		12.9		.6		13.5	1.3	.6			1.9	155
TOTALS			11.7		.5		12.2	2.9	.2			3.1	1240

WEATHER CONDITIONS

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STATION 24255 WHIDBEY ISLAND, WASHINGTON 73-77 APR MONTH

STATION NAME YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		12.0		1.3		12.7	5.3				5.3	150
	04		8.0				8.0	7.3	.7			8.0	150
	07		9.3				9.3	7.3				7.3	150
	10		9.3		.7		9.3	2.7				2.7	150
	13		6.7				6.7	2.0				2.0	150
	16		6.7				6.7	1.3				1.3	150
	19		13.3				13.3						150
	22		12.0				12.0	1.3				1.3	150
TOTALS			9.7		.3		9.8	3.4	.1			3.5	1200

WEATHER CONDITIONS

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WHIDBEY ISLAND, WASHINGTON

73-77

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01		14.8				14.8	3.9				3.9	155
	04		16.1				16.1	7.7				7.7	155
	07		11.6				11.6	7.7				7.7	155
	10		5.2				5.2	1.9	.6			2.6	155
	13		9.7				9.7	.6	.6			1.3	155
	16		7.1				7.1	1.9	.6			2.6	155
	19		11.6				11.6	1.9				1.9	155
	22		10.3				10.3	2.6				2.6	155
TOTALS			10.8				10.8	3.5	.2			3.8	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

JUN

73-77

WHIDBEY ISLAND, WASHINGTON

24255

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01		9.3				9.3	4.7				4.7	150
	04		13.3				13.3	8.7				8.7	150
	07		6.7				6.7	8.7				8.7	150
	10	.7	8.7				8.7	7.3				7.3	150
	13		8.7				8.7	2.0				2.0	150
	16		8.7				8.7	2.0				2.0	150
	19		8.7				8.7	.7				.7	150
	22		9.3				9.3	2.0				2.0	150
TOTALS		.1	9.2				9.2	4.5				4.5	1200

WEATHER CONDITIONS

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WHIDBEY ISLAND, WASHINGTON

73-77

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		7.1				7.1	4.5				4.5	155
	04	1.3	9.7				9.7	11.0				11.0	155
	07	1.3	7.1				7.1	12.3				12.3	155
	10	.6	2.6				2.6	6.5	.6			7.1	155
	13		5.2				5.2	1.9				1.9	155
	16		4.5				4.5	1.9				1.9	155
	19	.6	4.5				4.5	1.3				1.3	155
	22		4.5				4.5	2.6				2.6	155
TOTALS		.5	5.7				5.7	5.3	.1			5.3	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

24255 WHIDBEY ISLAND, WASHINGTON 73-77 AUG

STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01		9.0				9.0	16.1				16.1	155
	04		13.5				13.5	23.9				23.9	155
	07		12.3				12.3	26.5				26.5	155
	10		8.4				8.4	17.4	.6			18.1	155
	13		7.7				7.7	6.5	.6			7.1	155
	16		7.7				9.7	3.2	.6			3.9	155
	19		7.1				7.1	8.4				8.4	155
	22		3.9				3.9	9.7				9.7	155
TOTALS			9.0				9.0	14.0	.2			14.2	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

24255

WHIDBEY ISLAND, WASHINGTON

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01		2.7				2.7	10.7				10.7	150
	04		9.3				9.3	23.3				23.3	150
	07		6.7				6.7	26.0				26.0	150
	10		6.7				6.7	13.3				13.3	150
	13		3.3				3.3	6.0	.7			6.7	150
	16		2.0				2.0	3.3				3.3	150
	19		2.7				2.7	3.3	.7			4.0	150
	22		4.0				4.0	6.0	.7			6.0	150
TOTALS			4.7				4.7	11.3	.3			11.7	1200

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

24255

WHIDBEY ISLAND, WASHINGTON

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		11.0				11.0	21.3				21.3	155
	04		14.2				14.2	34.8	.6			34.8	155
	07		9.7				9.7	32.3	1.3			33.5	155
	10		13.5				13.5	14.8	3.2			18.1	155
	13		9.0				9.0	7.1	2.6			9.7	155
	16		9.0				9.0	5.2	3.2			8.4	155
	19		12.3				12.3	11.0	3.9			14.8	155
	22		12.9				12.9	13.5	1.3			14.2	155
TOTALS			11.5				11.5	17.5	2.0			19.4	1240

WEATHER CONDITIONS

24235

WHIDBEY ISLAND, WASHINGTON

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		15.3		1.3		16.7	14.7				14.7	150
	04		15.3		1.3		16.7	18.7				18.7	150
	07		16.7		1.3		17.3	16.0				16.0	150
	10		12.7		.7		13.3	8.7	.7			9.3	150
	13		16.7		1.3		18.0	6.0	.7			6.7	150
	16		12.0		1.3		12.7	8.7	.7			9.3	150
	19		16.0				16.0	10.7	.7			10.7	150
	22		16.7		.7		17.3	9.3				9.3	150
TOTALS			15.2		1.0		16.0	11.6	.4			11.8	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

DEC

73-77

WHIDBEY ISLAND, WASHINGTON

24255

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		16.1		.6		16.8	11.0	.6			11.6	155
	04		14.8		1.9		16.1	11.6				11.6	155
	07		17.4		1.3		18.1	12.3				12.3	155
	10		16.8		.6		17.4	10.3				10.3	155
	13		14.2		.6		14.8	8.4				8.4	155
	16		15.5		1.9		16.8	6.5				6.5	155
	19		20.0		1.9		21.3	8.4	.6			9.0	155
	22		20.0		.6		20.0	8.4				8.4	155
TOTALS			16.9		1.2		17.7	9.6	.2			9.8	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

STATION NAME: 24255 WHIDBEY ISLAND, WASHINGTON 73-77 YEARS MONTH: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		15.6		2.0		17.3	13.5	.7	.1		13.9	1240
FEB			14.8		1.7		15.4	7.5	.3			7.6	1128
MAR			11.7		.5		12.2	2.9	.2			3.1	1240
APR			9.7		.3		9.8	3.4	.1			3.5	1200
MAY			10.8				10.8	3.5	.2			3.8	1240
JUN		.1	9.2				9.2	4.5				4.5	1200
JUL		.5	5.7				5.7	5.3	.1			5.3	1240
AUG			9.0				9.0	14.0	.2			14.2	1240
SEP			4.7				4.7	11.5	.3			11.7	1200
OCT			11.5				11.5	17.5	2.0			19.4	1240
NOV			15.2		1.0		16.0	11.6	.4			11.8	1200
DEC			16.9		1.2		17.7	9.6	.2			9.8	1240
TOTALS		.0	11.2		.6		11.6	8.7	.4	.0		9.0	14608

WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

5701 WEATHER CONDITIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME

49-77

YEARS

ALL
MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.2	63.8	.6	20.7	.8	72.4	29.6	5.2	1.3		32.1	868
FEB		.5	61.9	.1	9.4	.9	63.8	31.1	6.4			32.6	791
MAR		.7	60.8		9.5	1.4	64.2	18.8	6.1	.6		21.9	899
APR		.6	57.1		1.6	1.2	57.3	18.9	4.7			21.3	869
MAY		.7	47.1		.1	.3	47.1	18.9	2.9			20.7	898
JUN		1.0	45.7				45.7	24.5	3.7			26.2	870
JUL		1.9	29.3				29.3	31.7	2.7			32.6	899
AUG		1.8	37.7				37.7	41.5	5.9			44.7	899
SEP		1.3	39.4				39.4	46.1	16.3			51.3	870
OCT		1.0	56.6		.1	.2	56.6	50.9	17.4			53.1	899
NOV		.6	69.3	.1	4.0	.6	69.8	35.4	9.9	.1		37.6	870
DEC		.1	71.6	.3	14.1	1.2	75.5	29.5	5.2	.7		31.3	899
TOTALS		.9	53.4	.1	5.0	.5	54.9	31.4	7.2	.2		33.8	10531

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255

WHIDBEY ISLAND, WASHINGTON

JAN 73 - DEC 77

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.0	3.0				3.0			17.6					90.9
NNE	5.9		5.9											82.4
NE						14.3					14.3			71.4
ENE	3.0					6.1			6.1					84.8
E	10.3	1.4	.5			2.3			14.1	2.8				72.8
ESE	13.4	.5	1.9			1.9			16.7	.5				71.3
SE	22.1	1.7	2.8		.5	1.7			15.3		1.9	.6		64.6
SSE	16.8	4.6	1.5			.7			5.8					74.5
S	23.5	7.3	3.6			1.8			5.5	3.6	3.6			52.7
SSW	30.0								30.0	10.0				50.0
SW	11.1	22.2	11.1						11.1					66.7
WSW	3.8									3.8				92.3
W	3.4	5.1	1.7						3.4					88.1
WNW		6.9				6.9			3.4					82.8
NW	8.3					4.2			4.2	4.2				83.3
NNW			3.7						3.7					96.3
VARIABLE														
CALM	4.1	1.2	2.9			1.8			20.5	1.2	1.2			72.5
TOTAL	146	27	23		1	24			153	14	9	1		910
% TOTAL	11.8	2.2	1.9		.1	1.9			12.3	1.1	.7	.1		73.4

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

JAN 73 - DEC 77
YEARS

FEBRUARY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	13.8	3.4	3.4			3.4			13.8					72.4
NNE														100.0
NE	14.3					7.1			14.3					78.6
ENE	4.2													91.7
E	8.4	5.2	4.2			3.2			6.5	.6				77.9
ESE	9.8	6.1	3.0			2.3			10.6	.8				72.0
SE	10.5	5.9	1.3			.7			2.0		.7			80.3
SSE	15.2	4.5				1.5			4.5					78.0
S	7.8	7.8				1.1			4.4					81.1
SSW		18.8				6.3			6.3					75.0
SW	22.2	22.2	11.1			11.1			33.3					44.4
WSW	12.5	12.5							6.3					75.0
W	5.6	4.2												90.1
WNW	8.9	2.2				2.2			13.3					77.8
NW	3.6					3.6			3.6					92.9
NNW	3.2								6.5					90.3
VARIABLE														
CALM	4.2	1.1	1.6			1.6			9.6	4.5	1.1			88.2
TOTAL	101	52	15			1			74	10	3			898
% TOTAL	9.0	4.6	1.3			.1			6.6	.9	.3			79.6

TOTAL NUMBER OF OBSERVATIONS 1,120

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 24255 WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.8	1.8		1.8									94.6
NNE														100.0
NE			33.3											66.7
ENE	11.8								3.9					88.2
E	11.8	2.9							2.9	2.0				81.4
ESE	13.3	3.8				1.9			2.9	1.0				78.1
SE	9.9	2.1								2.1				86.5
SSE	8.3	2.4				.5			.6					88.2
S	15.0	7.0				2.0			1.0					76.0
SSW	9.1	9.1												81.8
SW	12.5	12.5												75.0
WSW	15.8	10.5							3.3					73.7
W	5.0	6.7							.8					88.3
WNW	2.9	6.8							2.9					88.3
NW	6.9	1.7							3.4					89.7
NNW	4.8								1.6					93.2
VARIABLE														
CALM	2.3	1.1							4.3	1.7		1.2		66.3
TOTAL	96	47	2		1	5			24	12		2		1063
% TOTAL	7.7	3.8	.2		.1	.4			1.9	1.0		.2		83.7

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

JAN 73 - DEC 77

YEARS

MONTH
APRIL

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.9													93.1
NNE														100.0
NE														100.0
ENE														100.0
E	1.3	8.0							4.0	1.3				85.3
ESE	6.3	2.6				1.3			5.2	1.3				87.0
SE	17.3	8.0												74.7
SSE	18.8	5.9							3.0					74.3
S	4.9	6.2												88.9
SSW	4.3	13.0												82.6
SW	11.8								11.8	5.9				82.4
WSW	8.5	6.4							2.1					85.1
W	3.6	4.1	.3		.3				1.4					90.9
WNW	2.6								2.0		.7			94.8
NW		1.6							6.6					93.4
NNW	2.3					2.3			5.0					92.3
VARIABLE														
CALM	3.7	1.6							8.3	1.6				88.4
TOTAL	71	44	1	1	1	2			35	6	1			1052
% TOTAL	5.9	3.7	.1	.1	.1	.2			2.9	.3	.1			87.7

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

JAN 73 - DEC 77
YEARS

MAY
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	11.1													88.9
NNE														100.0
NE														88.9
ENE	11.1													80.3
E	13.7	4.1							2.7					73.7
ESE	15.8	5.3	1.8						5.3	1.8				76.4
SE	16.7	5.6							2.8					84.3
SSE	11.8	2.9									1.0			83.0
S	8.5	4.3	4.3						6.4					78.9
SSW	5.3	10.5							5.3					80.6
SW	5.6	11.1	2.8						2.8					89.0
WSW	4.7	1.6	.8						3.1	1.6				90.2
W	3.1	5.1	.4						3.1		.4			94.0
WNW	1.8	1.2							3.0		.6			90.8
NW	4.6	1.5							6.2					87.1
NNW		9.7							6.3					90.0
VARIABLE														
CALM	4.7	2.7							1.0	1.3				
TOTAL	80	49	6						39	5	3			1079
% TOTAL	6.5	3.9	.5						3.1	.4	.2			87.0

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

JAN 73 - DEC 77

MONTH
JUNE

HOURS (L.S.T.)
ALL

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	12.5	25.0												62.5
NNE														
NE														
ENE	20.0													100.0
E	17.5	5.0							2.5					80.0
ESE	19.4	6.5												77.5
SE	29.8	6.4	6.4						4.3					74.2
SSE	4.1	4.1							6.1					57.4
S	8.9	6.7	2.2						2.2					89.8
SSW			5.0						15.0					82.2
SW	7.4	4.4	1.5						5.9					85.0
WSW	3.8	1.9	3.1						7.5					82.4
W	1.2	1.8	.9					.3	3.3					86.9
WNW	2.0	2.0							5.3					94.0
NW	1.7	3.4							1.7	1.7				90.7
NNW	3.1	3.1												91.4
VARIABLE														93.8
CALM	8.7	.7	3.6						4.7					98.6
TOTAL	59	33	19					1	53					1055
% TOTAL	4.9	2.8	1.6					.1	4.4					87.9

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 JULY ALL
STATION NAME STATION YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														80.0
ENE	20.0		20.0						20.0					96.2
E	3.8								3.8					85.7
ESE	10.7	3.6							3.6					72.0
SE	16.0	12.0												82.1
SSE	10.7	7.1							3.6					91.1
S		8.9												87.9
SSW		6.1						3.0	6.1					79.7
SW	3.4								16.9					89.2
WSW	2.2	.7	1.4					.7	7.2	.7				90.7
W	1.9	1.9	.6					.6	3.9					94.7
WNW	.6							.6	3.3	.6				93.6
NW	2.2								1.1		1.1			84.6
NNW	5.1	2.6						2.6	10.3	2.6				88.8
VARIABLE														
CALM	3.7	4.2	1.3						3.3	1.3				111.6
TOTAL	36	29	6					6	61	4	1			90.0
% TOTAL	2.9	2.3	.5					.3	4.9	.3	.1			

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 STATION NAME WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 YEARS MONTH AUGUST ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									20.0					100.0
NNE														50.0
NE														100.0
ENE										12.5				87.5
E	12.9	3.2							6.5					83.9
ESE	10.3	6.9	10.3						13.6					69.0
SE	5.7	13.2	1.9						9.4					69.8
SSE	16.0	3.3	1.3						10.7					74.7
S	2.3	4.7	7.0						18.6					81.4
SSW	4.5	2.3	6.8						36.4					59.1
SW	2.7	5.3	2.7						24.7	1.4	1.4			64.4
WSW	3.5	1.4	2.1						21.0	.7	.7			73.4
W	1.7	1.3	2.6						12.3	1.3				84.7
WNW		.7	2.1						6.2		.7			92.4
NW		1.5	3.1						9.2					90.8
NNW	2.4								4.8					92.9
VARIABLE														
CALM	3.0	1.8	2.3						18.7	1.2				83.9
TOTAL	49	30	33						164	9	3			1004
% TOTAL	4.0	2.4	2.7						13.2	.7	.2			81.0

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 SEPTEMBER ALL
STATION NAME YEARS MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.2							12.5		20.0			87.5
NNE														80.0
NE														
ENE									4.5	4.5				90.9
E	6.4	1.1							6.4	1.1				85.1
ESE	11.7	1.7	1.7						5.0					81.7
SE	6.6	1.6	1.6						6.6	1.6				85.2
SSE	3.4	3.6	3.4						13.6	1.7				79.7
S		6.1	3.0						21.2					75.8
SSW									14.3					85.7
SW	3.7	7.4							14.8					77.8
WSW		1.7	5.0						18.3		1.7			76.7
W	1.4	.7	.7						10.6					88.7
WNW			.8						8.4					91.6
NW	1.0	1.0							7.1	4.1				87.8
NNW									4.4	2.2				93.3
VARIABLE														
CALM	1.2	.9	.9						8.0	5.6				84.5
TOTAL	27	16	13						110	27	3			1024
% TOTAL	2.3	1.3	1.1						9.2	2.3	.3			85.4

TOTAL NUMBER OF OBSERVATIONS 1,199

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 STATION NAME WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 YEARS MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									25.0	8.3				66.7
NNE											23.0			75.0
NE	25.0								25.0					75.0
ENE		10.0	10.0						10.0					80.0
E	5.9		.6						21.3	8.3	2.4			65.7
ESE	10.1	2.2							20.1	2.2	1.4			66.9
SE	16.2	1.3	2.6						7.1	.6	2.6			74.0
SSE	12.3	3.9	.8						6.3		.8			77.3
S	7.5	5.7	1.9						7.5	1.9	1.9			75.5
SSW	12.5		12.5						12.5					75.0
SW	21.4	7.1							7.1					64.3
WSW	11.4	2.9							17.1					74.3
W	9.1	1.0							8.1		3.0			83.8
WNW	5.7	2.9	1.4						10.0		2.9			80.0
NW	3.5	1.8							8.8					86.0
NNW	13.3								13.3		2.2			68.9
VARIABLE														
CALM	5.0	.4	.6						21.8	7.9	1.7			65.3
TOTAL	111	21	11						178	39	23			895
% TOTAL	9.0	1.7	.9						14.4	3.1	1.9			72.2

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 24255 WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 MONTH NOVEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	7.7	2.6	2.6			2.6			10.3					79.5
NNE	10.5								5.3					84.2
NE	12.5					12.5			37.5					50.0
ENE	4.0	4.0							12.0					80.0
E	3.1	3.6	.5			1.6			7.8	2.1				81.8
ESE	17.2	1.2	.6			2.5			17.8	.6				68.1
SE	16.1	2.0	.7			1.3			8.1		.7			74.5
SSE	18.5	5.6	.6						5.1		.6			73.0
S	11.3	6.5				1.6			9.2					80.6
SSW		28.6												71.4
SW	25.0								25.0					50.0
WSW	9.5	14.3							9.5					71.4
W	4.7	6.3							3.1					87.5
WNW	5.3	2.6												92.1
NW	8.0	4.0							24.0					68.0
NNW		3.0	3.0						9.1					87.9
VARIABLE														
CALM	4.6	2.3	3.5						31.4	2.9	1.2			70.5
TOTAL	126	44	12			12			129	10	4			911
% TOTAL	10.5	3.7	1.0			1.0			10.8	.8	.3			75.9

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

24299
STATION

WHIDBEY ISLAND, WASHINGTON

JAN 73 - DEC 77
YEARS

DECEMBER

ALL
HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.7								3.7					92.6
NNE	6.3					6.3								93.8
NE														100.0
ENE	4.5	4.5				4.5			9.1					77.3
E	9.7	1.9	2.8			1.4			7.9	.9				80.6
ESE	15.8	1.4	2.3		.5				15.4	1.4				69.7
SE	20.9	1.9	1.4			1.9			8.4	.5	.5			71.2
SSE	16.3	4.4	2.2			1.5			7.4					71.9
S	22.2	13.3				2.2			8.9		2.2			57.8
SSW														100.0
SW	9.1	9.1							9.1					72.7
WSW	11.8													88.2
W	3.4	5.6							3.4					88.8
WNW	3.0	9.1				3.0			6.1					78.8
NW	9.1													90.9
NNW	7.1													92.9
VARIABLE														
CALM	6.4	1.9	1.3			.6			12.2	1.3				82.1
TOTAL	155	36	19		1	14			111	8	2			952
% TOTAL	12.3	2.9	1.5		.1	1.1			9.0	.6	.2			76.8

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

24255 WHIDBEY ISLAND, WASHINGTON JAN 73 - DEC 77 ALL ALL ALL
STATION NAME STATION MONTH HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SAND AND DUST	NO WEATHER
N	4.6	2.5	1.1		.4	1.1			5.3	.4			87.0
NNE	5.3		1.3			1.3			6.6		2.6		86.8
NE	7.8		2.0		2.0	3.9			11.8		2.0		78.4
ENE	4.8	1.6	1.6			1.6			5.9	1.1			85.6
E	8.2	2.7	1.0		.1	1.2			9.1	2.2	.3		78.3
ESE	13.2	2.6	1.3		.1	1.1			12.6	1.0	.5		72.7
SE	16.4	3.6	1.3			.8			6.4	.5	.5	.1	74.3
SSE	13.8	4.3	.8			.5			5.0	.1	.2		78.2
S	10.0	7.0	1.4			.9			5.3	.4	.6		77.7
SSW	4.3	7.0	2.2			.4		.4	13.0	.4			76.5
SW	6.9	6.0	1.6			.3		.6	13.7	.6	.3		74.3
WSW	4.7	2.5	1.7					.1	9.6	.6	.2		83.1
W	2.9	3.1	.7		.0			.1	5.0	.1	.2		89.6
WNW	2.0	1.8	.4			.3		.1	6.9	.1	.4		90.8
NW	3.0	1.4	.3			.3		.2	5.9	.9	.2		89.7
NNW	3.6	1.4	.5			.2		.2	5.7	.5	.2		89.4
VARIABLE													
CALM	4.0	1.7	1.3			.2			10.4	2.9	.6		81.8
TOTAL	1057	427	160		5	75		7	1131	145	54	1	11959
% TOTAL	7.2	2.9	1.1		.0	.5		.0	7.7	1.0	.4	.0	81.9

TOTAL NUMBER OF OBSERVATIONS 14,607

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

**PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)**

STATION	STATION NAME	YEARS
24299	WHIDBEY ISLAND, WASHINGTON	65-77

AMOUNTS (INCHES)																									MONTHLY AMOUNTS (INCHES)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR-ABLE ANTS				TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
														TRACE	1	2	3		4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 50.4	OVER 120	MEAN	GREATEST	LEAST																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
SNOWFALL	NONE	TRACE	0.1-.04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

DAILY AMOUNTS

**PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)**

26255
STATION

WHIDBEY ISLAND, WASHINGTON

45-77

YEARS

21205

5722 Daily Amounts Jan. 1969

PRECIP.	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN	GREATEST			LEAST		
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4							
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	80.1	11.5	2.3	3.7	1.7	.2	.3	.2						8.4	930	3.1	17.4	.0		
FEB	91.4	6.2	.5	.7	.7	.5		.1						2.4	876	1.2	10.2	.0		
MAR	91.3	5.8	.7	.9	.6	.2	.3	.1						2.9	961	1.4	15.5	.0		
APR	98.6	1.3		.1										.1	960	TRACE	.5	.0		
MAY	99.9	.1													930	TRACE	TRACE	.0		
JUN	100.0														990	.0	.0	.0		
JUL	100.0														992	.0	.0	.0		
AUG	100.0														1023	.0	.0	.0		
SEP	100.0														990	.0	.0	.0		
OCT	99.8	.2													992	TRACE	TRACE	.0		
NOV	95.7	3.4	.3	.4	.1									.8	960	.2	1.9	.0		
DEC	85.9	9.7	1.7	1.1	.9	.3	.2	.1	.1					4.4	992	1.8	12.6	.0		
ANNUAL	95.2	3.2	.5	.6	.3	.1	.1	.0	.0					1.6	11596	7.7				

NAYWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24255 STATION WHIDBEY ISLAND, WASHINGTON 65-77 YEARS

5722 Daily Amounts 1969

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
JAN	87.3	2.6	3.0	2.0	1.1	2.6	.8	.2	.2					10.0	637			
FEB	96.6	1.4	.3	1.1	.3	.4								2.0	791			
MAR	96.9	.7	.6		.4	.6	.7							2.4	806			
APR	99.8	.2													870			
MAY	100.0														868			
JUN	100.0														900			
JUL	100.0														930			
AUG	100.0														868			
SEP	100.0														900			
OCT	100.0														961			
NOV	98.0	.5	.2				1.3							1.5	870			
DEC	94.7	2.0	1.0	.7	1.3	.3								3.3	899			
ANNUAL	97.8	.6	.4	.3	.3	.3	.2	.0	.0					1.6	10500			

EXTREME VALUES

PRECIPITATION (FROM DAILY OBSERVATIONS)

24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

STATION

YEARS

45-77

24 HOUR AMOUNTS IN INCHES

5723 Extreme Values Jan 1969

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45				.87	.29	.12	TRACE	.50	.50	1.27	.20		
46	.34	.74	.32	.39	.29	2.32	.44	.32	.50	.60	.58	1.03	2.32
47		.39	.94	.42	.50	.35	.27	.46	.50	.76	.57		
48	.39	.75	.35	.57	1.26	.74	.40	.40	.58		.36	.64	
49			.21	.31	.10	.16	.46	.68	.57	1.10	.63	1.81	
50	.44	.31	.55	.40	.07	.24	.51	.56	.28	.44	.48	.39	.56
51	.82	.90	.54	.30	.92	.32	.02	.77	.26	.46	.35	.43	
52	.23	.26	.64			.20	.63	.06	.11	.56	.14	.24	
53	.55	.32	.25	.25	.31	.29	.18	.22	.16	.65	.45	.49	.65
54	.46	.88	.31	.44	.40	.46	.37	.73	.53	.37	.82	.37	.88
55	.29	1.34	.50	.28	.70	.49	.31	.09	.17	.34	.68	.40	1.34
56	.30	.31	.38	.05	.12	.73	.17	.47	.66	.62	.39	.96	.96
57	.41	.40	.36	.43	.08	.45	.18	.22	.11	.21	.51	.38	.51
58	.65	.42	.26	.37	.33	.52	TRACE	.03	.29	.53	1.01	.35	1.01
59	.77	.35	.47	.40	.80	.35	.04	.24	.62	.33	.90	1.39	1.39
60	.40	.29	.43	.31	.26	.18	TRACE	.38	.20	.39	.57	.34	.57
61	.40	.46	.37	.70	.48	.49	1.02	.41	.22	.42	.65	.21	1.02
62	.36	.62	.40	.22	.22	.30	.07	.92	.58	.47	1.52	.26	1.52
63	.22	.91	.18	.87	.37	.24	.37	.19	.43	.91	.59	.78	.91
64	.50	.18	.55	.27	.71	.61	.28	.32	1.38	.21	.27	.70	1.38
65	.75	.45	.12	.38	.34	.24	.09	.41	.36	.26	.22	.51	.75
66	.91	.22	.40	.39	1.24	.18	.81	.26	.33	.55	.29	.48	1.24
67	.79	.59	.26	.56	.47	.50	.13	.04	.40	.50	.13	1.68	1.68
68	.27	.24	.40	.10	.50	.48	.23	.58	.45	.27	.30	.44	.58
69	.47	.32	.15	.53	.43	.16	.23	.29	.38	.19	.22	.49	.53
70	.64	.25	.22	.30	.32	.27	.20	.04	2.06	.45	.31	.39	2.06
71	1.03	.41	.31	.20	.24	.38	.32	.07	.39	.26	1.17	.92	1.17
72	.58	.42	.58	.44	.19	.57	.46	.51	.23	.32	.42	1.18	1.18
73	.32	.12	.27	.31	.11	.60	.09	.30	.51	.42	.48		
74	.87	.38	.34	.16	.14	.18	.67	.01	.09	.21	.49	.48	.87
MEAN													
S. D.													
TOTAL OBS.													

PRECIPITATION
(FROM DAILY OBSERVATIONS)

WHIDBEY ISLAND, WASHINGTON

YEARS

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

PRECIPITATION
(FROM DAILY OBSERVATIONS)

43-77

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

STATION

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	
46	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	TRACE	
47	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.2	
48	3.2	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.8	3.2
49	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	
50	1.4	TRACE	5.4	.0	.0	.0	.0	.0	.0	.0	.0	2.0	
51	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	
52	1.1	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.4
53	.0	3.0	1.3	.0	.0	.0	.0	.0	.0	.0	.0	4.0	1.1
54	1.0	3.0	3.8	.0	.0	.0	.0	.0	.0	.0	.7	5.0	4.0
55	4.1	3.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.0
56	.0	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	4.1
57	1.5	3.0	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
58	.3	.0	4.3	.0	.0	.0	.0	.0	.0	TRACE	.0	.0	3.0
59	.0	.0	1.5	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	4.3
60	.7	6.2	4.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	1.5
61	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	6.2
62	1.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.0
63	1.0	.8	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	7.0	7.0
64	2.0	TRACE	1.0	TRACE	.0	.0	.0	.0	.0	.0	.0	2.5	2.5
65	.8	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.7	2.0
66	3.6	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	.8
67	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.6	1.6
68	4.2	1.9	TRACE	.0	.0	.0	.0	.0	.0	.0	.5	1.0	3.6
69	5.8	TRACE	.2	.5	.0	.0	.0	.0	.0	.0	.0	3.7	1.0
70	1.5	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.2
71	2.0	TRACE	.9	TRACE	.0	.0	.0	.0	.0	.0	1.9	TRACE	5.8
72	MEAN										.0	TRACE	1.9
73	S. D.										.0	TRACE	2.0
74	TOTAL OBS.												

SNOWFALL

(FROM DAILY OBSERVATIONS)

43-77

WHIDBEY ISLAND, WASHINGTON

STATION
24255

YEARS

STATION NAME

24 HOUR AMOUNTS IN INCHES

[illegible]

NAVWEASERVCOM

SNOWFALL
(FROM DAILY OBSERVATIONS)

43-77

WHIDBEY ISLAND, WASHINGTON

STATION NAME

STATION

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24299

WHIDBEY ISLAND, WASHINGTON

STATION

STATION NAME

YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45						0			0				
46										0			
47													
48													
49													
50	6	3	0	0	0	0	0	0	0	0	0	1	6
51	0	TRACE	9	0	0	0	0	0	0	0	0	0	
52	2	0	0	0	0	0	0	0	0	0	0	0	
53	2	0	0	0	0	0	0	0	0	0	0	0	
54	0	TRACE	1	0	0	0	0	0	0	0	0	0	2
55	1	0	3	0	0	0	0	0	0	0	0	0	3
56	25	0	0	0	0	0	0	0	0	0	0	0	5
57	0	TRACE	0	0	0	0	0	0	0	0	0	0	25
58	3	TRACE	0	0	0	0	0	0	0	0	0	0	10
59	TRACE	0	4	0	0	0	0	0	0	0	0	0	4
60	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
61	TRACE	0	7	0	0	0	0	0	0	0	0	0	TRACE
62	TRACE	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	1	0	0	0	0	0	0	0	0	0	0	0	1
64	0	0	0	0	0	0	0	0	0	0	0	0	2
65	5	0	TRACE	0	0	0	0	0	0	0	0	0	5
66	2	0	TRACE	0	0	0	0	0	0	0	0	0	2
67	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
68	0	0	0	0	0	0	0	0	0	0	0	0	TRACE
69	9	0	0	0	0	0	0	0	0	0	0	0	9
70	TRACE	0	0	0	0	0	0	0	0	0	0	0	1
71	5	TRACE	0	0	0	0	0	0	0	0	0	0	5
72	8	4	0	0	0	0	0	0	0	0	0	0	8
73	2	0	0	0	0	0	0	0	0	0	0	0	2
74	0	0	TRACE	0	0	0	0	0	0	0	0	0	TRACE
MEAN													
S. D.													
TOTAL OBS.													

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

WASHINGTON

24255

YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

NAVWEASERVCOM

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

24253

WHIDBEY ISLAND, WASHINGTON

STATION

45-77

YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.91	23	1966	2.0	51	1966
2	0.58	15	1951	T	T	1977*
3	0.47	12	1969	2.0	51	1950
4	0.79	20	1967	1.5	38	1973*
5	0.40	10	1961	1.0	25	1959
6	0.37	9	1954	T	T	1965
7	0.23	6	1946	0.8	20	1965
8	1.00	25	1971	0.4	10	1975
9	0.60	15	1975	6.0	152	1975
10	0.44	11	1976*	1.4	36	1971
11	0.19	5	1952	1.5	38	1975
12	0.54	14	1973	4.2	107	1971
13	0.50	13	1964	0.6	15	1963
14	0.33	8	1976	1.7	43	1971
15	0.82	21	1951	1.0	25	1971
16	0.65	17	1958	0.7	18	1954
17	0.69	18	1975	0.5	13	1950
18	0.64	16	1977	1.6	41	1950
19	0.41	10	1957	4.1	104	1957
20	0.29	7	1953	2.3	58	1957
21	0.30	8	1959	0.1	3	1952
22	1.05	27	1971	2.0	51	1957
23	0.87	22	1974	1.6	41	1950
24	0.77	20	1959	5.8	147	1972
25	0.36	9	1960	2.2	56	1972
26	0.64	16	1970	2.0	51	1950
27	0.52	13	1965	3.6	91	1969
28	0.75	19	1965	1.0	25	1956
29	0.40	10	1960	1.8	46	1969
30	0.91	23	1971	3.0	76	1957
31	0.32	8	1957	1.0	25	1972*
Monthly	1.05	27	1971	6.0	152	1975

DAILY EXTREME AMOUNTS

1946-1946 1948-1948 9999-9999
YEARS

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.39	10	1947	T	T	1957*
2	0.45	11	1963	1.2	30	1957
3	0.22	6	1953	T	T	1975*
4	0.26	7	1952	T	T	1971*
5	0.45	11	1963	T	T	1972*
6	0.27	7	1953	0.8	20	1965
7	1.34	34	1955	T	T	1975
8	0.32	8	1969	1.4	36	1959
9	0.90	23	1951	3.0	76	1959
10	0.27	7	1951	T	T	1975*
11	0.70	18	1976	0.3	8	1975
12	0.59	15	1967	T	T	1956
13	0.25	6	1970	0.1	3	1956
14	0.43	11	1955	2.0	51	1956
15	0.31	8	1961	T	T	1975
16	0.50	13	1948	3.0	76	1956
17	0.36	9	1948	1.4	36	1956
18	0.38	10	1974	1.6	41	1956
19	0.61	15	1975	2.0	51	1957
20	0.46	12	1961	2.0	51	1957
21	0.44	11	1961	T	T	1974*
22	0.75	19	1948	3.0	76	1957
23	0.88	22	1954	T	T	1974
24	0.74	19	1946	2.0	51	1957
25	0.91	23	1963	T	T	1976*
26	0.45	11	1946	0.8	20	1976
27	0.28	7	1972	1.9	48	1971
28	0.62	16	1962	6.2	157	1962
29	0.16	4	1964*	0.2	5	1976
30						
31						
Monthly	1.34	34	1955	6.2	157	1962

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

24255 STATION WHIDBEY ISLAND, WASHINGTON
STATION NAME

1946-1977

YEARS

DAILY EXTREME AMOUNTS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.34	9	1974	0.6	15	1962
2	0.44	11	1977	2.1	53	1962
3	0.43	11	1960	4.3	109	1960
4	0.31	8	1951	3.3	84	1951
5	0.58	15	1972	5.4	137	1951
6	0.25	6	1950	0.9	23	1974
7	0.26	7	1958	0.4	10	1951
8	0.27	7	1962	1.6	41	1951
9	0.64	16	1952	2.2	56	1951
10	0.24	6	1951	2.3	58	1951
11	0.21	5	1946	T	T	1962*
12	0.27	7	1973*	2.7	69	1956
13	0.38	10	1956	3.8	97	1956
14	0.41	10	1960	T	T	1977*
15	0.29	7	1960			
16	0.40	10	1966	T	T	1975*
17	0.55	14	1950	T	T	1973
18	0.21	5	1973	T	T	1976*
19	0.27	7	1966			
20	0.36	9	1957			
21	0.50	13	1955	T	T	1975*
22	0.27	7	1976			
23	0.33	8	1952	T	T	1955
24	0.21	5	1952	T	T	1965
25	0.55	14	1964	0.6	15	1955
26	0.32	8	1946	T	T	1976
27	0.40	10	1968	T	T	1965*
28	0.22	6	1953			
29	0.32	8	1946			
30	0.94	24	1947	T	T	1975
31	0.47	12	1959	T	T	1952
Monthly	0.94	24	1947	5.4	137	1951

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.31	8	1949			
2	0.40	10	1950	T	T	1975
3	0.19	5	1947	T	T	1975
4	0.37	9	1975			
5	0.42	11	1947	T	T	1975*
6	0.38	10	1963			
7	0.05	1	1947			
8	0.70	18	1961	0.5	13	1972
9	0.38	10	1961			
10	0.13	3	1970*			
11	0.43	11	1976	T	T	1974
12	0.39	10	1946	T	T	1968*
13	0.27	7	1958			
14	0.32	8	1959			
15	0.87	22	1963	T	T	1976
16	0.37	9	1958	T	T	1972
17	0.36	9	1947	T	T	1972
18	0.30	8	1947			
19	0.62	16	1976			
20	0.23	6	1966*			
21	0.31	8	1960			
22	0.28	7	1955			
23	0.75	19	1945			
24	0.57	14	1948			
25	0.80	20	1977			
26	0.87	22	1945	T	T	1954
27	0.44	11	1972			
28	0.56	14	1967	T	T	1954
29	0.40	10	1959			
30	0.23	6	1952			
31						
Monthly	0.87	22	1963*	0.5	13	1972

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

1945-1977
YEARS

MAY
MONTH

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37	9	1963			
2	0.18	5	1976			
3	0.14	4	1977			
4	0.48	12	1961			
5	0.53	13	1948	T	T	1965
6	1.24	31	1966			
7	0.06	2	1947			
8	0.50	13	1947			
9	0.15	4	1964			
10	0.63	16	1975			
11	0.92	23	1951			
12	0.20	5	1945			
13	0.70	18	1955			
14	0.39	10	1959			
15	0.19	5	1972			
16	0.60	15	1977			
17	0.03	1	1975*			
18	0.19	5	1947			
19	0.50	13	1966			
20	0.71	18	1964			
21	0.62	16	1945			
22	0.29	7	1946			
23	0.22	6	1962			
24	0.40	10	1954			
25	0.13	3	1955			
26	0.80	20	1959			
27	0.71	18	1948			
28	1.26	32	1948			
29	0.58	15	1948			
30	0.52	13	1955			
31	0.39	10	1977			
Monthly	1.26	32	1948	T	T	1965

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.48	12	1968			
2	0.31	8	1947			
3	0.73	19	1956			
4	0.13	3	1975			
5	0.46	12	1954			
6	0.49	12	1961			
7	0.35	9	1947			
8	0.29	7	1947			
9	0.35	9	1959			
10	0.56	14	1972			
11	0.49	12	1948			
12	0.16	4	1973			
13	0.45	11	1957			
14	2.32	59	1946			
15	0.93	24	1946			
16	0.74	19	1948			
17	0.08	2	1964			
18	0.16	4	1956			
19	0.48	12	1956			
20	0.48	12	1948			
21	0.50	13	1967			
22	0.42	11	1967			
23	0.31	8	1972*			
24	0.57	14	1972			
25	0.30	8	1975			
26	0.52	13	1958			
27	0.32	8	1955			
28	0.25	6	1946			
29	0.11	3	1949			
30	0.36	9	1955			
31						
Monthly	2.32	59	1946			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

1945-1977

YEARS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.37	9	1954			
2	0.81	21	1966			
3	0.47	12	1966			
4	0.16	4	1948			
5	1.02	26	1961			
6	0.18	5	1948			
7	0.40	10	1948			
8	0.77	20	1975			
9	0.67	17	1974			
10	0.32	8	1971			
11	0.21	5	1974			
12	0.46	12	1972			
13	0.07	2	1957			
14	0.35	9	1966			
15	0.46	12	1949			
16	0.15	4	1977*			
17	T	7	1975*			
18	0.51	13	1950			
19	0.23	6	1968			
20	0.13	3	1967			
21	0.13	3	1964			
22	0.63	16	1952			
23	0.09	2	1973			
24	0.25	6	1949			
25	0.20	5	1970			
26	0.31	8	1955			
27	0.44	11	1950			
28	0.28	7	1975			
29	0.15	4	1955			
30	0.15	4	1955			
31	0.07	2	1955			
Monthly	1.02	26	1961			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.20	5	1956			
2	0.47	12	1956			
3	0.28	7	1962			
4	0.92	23	1962			
5	0.32	8	1946			
6	0.06	2	1950			
7	0.16	4	1949			
8	0.03	1	1976*			
9	0.02	1	1964*			
10	0.02	1	1957			
11	0.68	17	1949			
12	0.25	6	1965			
13	0.18	5	1976			
14	0.19	5	1950			
15	0.52	13	1976			
16	0.32	8	1972*			
17	0.05	1	1959			
18	0.71	18	1975			
19	0.83	21	1976			
20	0.29	7	1948			
21	0.35	9	1960			
22	0.73	19	1954			
23	0.82	21	1977			
24	0.38	10	1960			
25	0.50	13	1945			
26	0.27	7	1948			
27	0.77	20	1951			
28	0.26	7	1966			
29	0.11	3	1954			
30	0.72	18	1954			
31	0.41	10	1961			
Monthly	0.92	23	1962			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

24255 STATION WHIDBEY ISLAND, WASHINGTON
STATION NAME

1945-1977

YEARS

DAILY EXTREME AMOUNTS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.39	10	1971			
2	0.14	4	1948			
3	0.35	9	1970			
4	0.29	7	1959			
5	0.62	16	1959			
6	0.31	13	1973			
7	0.39	10	1947			
8	0.24	6	1970			
9	0.10	3	1962*			
10	0.37	9	1954			
11	0.66	17	1956			
12	0.19	5	1969			
13	0.43	11	1963			
14	0.58	15	1962			
15	0.68	17	1945			
16	1.38	35	1964			
17	0.53	13	1954			
18	2.06	52	1970			
19	0.25	7	1945			
20	0.59	15	1970			
21	0.57	14	1948			
22	0.38	10	1969			
23	0.61	15	1977			
24	1.07	27	1945			
25	0.21	5	1959			
26	0.58	15	1948			
27	0.26	7	1951			
28	0.55	14	1977			
29	0.40	10	1967			
30	0.51	13	1964			
31						
Monthly	2.06	52	1970			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.32	8	1967			
2	0.25	6	1947			
3	0.26	7	1948*			
4	0.45	11	1970			
5	0.44	11	1950			
6	0.45	11	1962			
7	0.60	15	1946			
8	0.42	11	1970	T	T	1960
9	1.05	27	1949	T	T	1950
10	0.62	16	1948			
11	1.10	28	1949			
12	0.53	13	1958			
13	0.29	7	1973			
14	0.56	14	1956			
15	0.76	19	1947			
16	0.19	5	1947			
17	0.49	12	1956			
18	0.46	12	1947			
19	0.62	16	1956			
20	0.41	10	1967			
21	0.91	23	1963			
22	0.30	8	1945			
23	0.41	10	1952			
24	0.85	22	1945			
25	1.27	32	1945			
26	0.42	11	1961			
27	0.49	12	1967			
28	0.55	14	1977			
29	0.27	7	1946			
30	0.86	22	1945			
31	0.65	17	1953			
Monthly	1.27	32	1945	T	T	1960*

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

1945-1977

YEARS

DAILY EXTREME AMOUNTS

NOVEMBER
MONTH

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.49	12	1977			
2	0.68	17	1955			
3	1.17	30	1971	T	T	1973
4	0.42	11	1972	1.9	48	1973
5	0.33	8	1947			
6	0.36	9	1963	T	T	1973
7	0.48	12	1947	T	T	1963
8	0.52	13	1975	T	T	1975
9	0.58	15	1961	T	T	1977*
10	0.65	17	1961	T	T	1975
11	1.01	26	1958	0.7	18	1955
12	0.49	12	1974			
13	0.63	16	1949	T	T	1950
14	0.35	9	1951	T	T	1950
15	0.20	5	1968	T	T	1968*
16	0.41	10	1953	T	T	1975
17	0.58	15	1946	0.2	5	1955
18	0.38	10	1946	0.4	10	1946
19	1.52	39	1962	T	T	1963*
20	0.90	23	1959	0.5	13	1946
21	0.52	13	1959	T	T	1973*
22	0.38	10	1959	0.5	13	1970
23	0.49	12	1960	T	T	1977
24	0.53	13	1958	T	T	1958
25	0.82	21	1954	T	T	1970
26	0.63	16	1949	T	T	1964*
27	0.43	11	1949	T	T	1964
28	0.38	10	1961			
29	0.27	7	1964	0.8	20	1975
30	0.45	11	1953	0.1	3	1975
31						
Monthly	1.52	39	1962	1.9	48	1973

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.72	18	1949	T	T	1970*
2	0.81	21	1975	0.2	5	1972
3	0.40	10	1975	T	T	1972*
4	0.55	14	1956	5.0	127	1956
5	0.41	10	1963	T	T	1972*
6	0.56	14	1976			
7	0.35	9	1975*	0.4	10	1966
8	0.92	23	1971	1.7	43	1971
9	0.96	24	1956	0.3	8	1966
10	1.03	26	1946	1.5	38	1971
11	0.49	12	1959*	2.5	63	1972
12	0.85	22	1946	0.7	18	1975
13	0.53	13	1946	1.5	38	1971
14	1.39	35	1959	0.1	3	1975
15	0.78	20	1963	0.4	10	1955
16	0.25	6	1951	T	T	1955
17	0.64	16	1971	0.3	8	1949
18	0.51	13	1949	4.0	102	1955
19	0.45	11	1948	2.9	74	1964
20	0.82	21	1956	0.5	13	1949
21	0.54	14	1972	0.2	5	1968
22	0.51	13	1964	T	T	1971*
23	0.48	12	1975	0.3	8	1964
24	1.68	43	1967	1.6	41	1971
25	1.18	30	1972	3.7	94	1971
26	0.44	11	1946	1.6	41	1968
27	1.81	46	1949	2.5	63	1965
28	0.29	7	1965	1.8	46	1965
29	0.32	8	1954	0.7	18	1971
30	0.25	6	1954	2.3	58	1964
31	0.70	18	1964	7.0	178	1964
Monthly	1.81	46	1949	7.0	178	1964

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: **INSTRUMENT CLASS:** Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

45-77

WHIOBEY ISLAND, WASHINGTON

STATION NAME

STATION

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

24255

WHIDDEY ISLAND, WASHINGTON

43-77

STATION

STATION NAME

YEARS

DAILY PEAK GUSTS IN KNOTS

[illegible]

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

43-77

WHIDBEY ISLAND, WASHINGTON

YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JAN
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	4.5
NNE		.6										.6	4.0
NE		.6										.6	4.0
ENE	3.2	1.3										4.5	2.7
E	7.7	7.7	1.9	.6								18.1	4.2
ESE	5.8	10.3	3.2	1.9	.6							21.9	6.1
SE	.6	3.2	2.6	4.5	.6	.6						12.3	10.4
SSE		.6	2.6	3.2	1.9							8.4	12.8
S	.6	.6			.6							1.9	8.7
SSW		.6										.6	5.0
SW			.6									.6	8.0
WSW		.6	.6	.6	.6							2.6	11.5
W			.6	5.2	.6							6.3	14.3
WNW			.6	1.9								2.6	12.8
NW				1.3								1.3	12.5
NNW													
VARBL													
CALA												16.1	
	18.1	27.7	12.9	19.4	5.2	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

04

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	1.3											1.3	1.5
NE													
ENE		.6										.6	6.0
E	12.3	4.3	4.3									21.3	4.2
ESE	6.3	5.8	3.2	1.3								16.8	5.3
SE	3.2	1.3	5.8	3.9	1.9							16.1	9.7
SSE	3.2	1.3	1.9	2.6	1.9	.6						11.6	9.8
S	1.3			.6								1.9	6.3
SSW		.6										.6	4.0
SW	.6											.6	2.0
WSW				1.3								1.3	13.5
W	.6	1.3	.6	.6	1.3	.6	.6					5.8	13.8
WNW	.6			.6								1.3	6.5
NW	.6	.6		1.3								2.6	8.3
NNW													
VARBL													
CALM												17.4	
	31.0	16.1	16.1	12.3	5.2	1.3	.6					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

152

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

JAN
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9			.6								2.6	4.8
NNE		.6	.6									1.3	5.5
NE													
ENE	.6	1.3										1.9	3.7
E	8.4	12.9	1.3	.6								23.2	4.3
ESE	4.5	8.4	3.2	.6								16.8	5.3
SE	1.9	3.2	1.9	3.2	1.3							11.6	9.3
SSE		1.9	2.6	3.2	1.3							9.0	11.3
S		1.3		1.3	.6							3.2	11.2
SSW	.6	1.3										1.9	3.7
SW	.6	.6										1.3	4.5
WSW			.6									.6	10.0
W			1.3	1.9			.6					3.9	14.0
WNW				.6								.6	13.0
NW			.6									.6	7.0
NNW		.6	.6									1.3	7.5
VARBL													
CALM												20.0	
	18.7	32.3	12.9	12.3	3.2		.6					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3	.6									2.6	4.5
NNE	1.3											1.3	2.5
NE			.6									.6	7.0
ENE	2.6	2.6										5.2	3.6
E	7.1	5.8	1.9									14.8	4.1
ESE	5.2	11.6	3.2	1.3								21.3	5.5
SE	2.6	4.3	1.3	5.2	1.3	1.3						16.1	10.0
SSE	.6	1.9	1.9	4.5	.6	.6						10.3	10.9
S	.6	2.6			1.3							4.5	8.3
SSW	.6											.6	2.0
SW						.6						.6	23.0
WSW	.6			.6	.6							1.9	11.7
W		1.3	1.9	.6								3.9	8.8
WNW			1.3									1.3	8.5
NW		1.3										1.3	5.5
NNW	.6		.6									1.3	4.5
VARBL													
CALM												12.3	
	22.6	32.9	13.5	12.3	3.9	2.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255

WHIDBEY ISLAND, WASHINGTON

73-77

JAN

STATION NAME

YEARS

MONTH

ALL WEATHER

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3		1.3									2.6	5.0
NNE			.6									.6	7.0
NE	.6											.6	2.0
ENE	1.3		1.3									2.6	5.3
E	1.9	2.6	1.9	.6								7.1	6.0
ESE	2.6	7.7	3.2	.6								14.2	5.4
SE	6.5	5.2	5.8	1.9	.6	2.6	.6					23.2	9.1
SSE	.6	1.9	3.2	1.9	2.6	1.3						11.6	12.6
S	1.3	2.6	1.9	2.6								8.4	7.4
SSW		1.3										1.3	5.0
SW			.6									.6	8.0
WSW		1.3		1.9								3.2	10.2
W	1.3		1.3	1.9								4.3	8.3
WNW	.6	1.3	.6									2.6	5.3
NW	1.9	1.3	.6									3.9	6.3
NNW	.6	2.6	3.2									6.3	6.4
VARBL													
CALM												6.5	
	20.6	27.7	25.6	11.6	3.2	3.9	.6					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.6										4.5	3.3
NNE		.6	.6									1.3	6.0
NE	1.3											1.3	2.0
ENE	1.3	.6										1.9	3.0
E	4.5	5.2	4.5									14.2	4.9
ESE	5.2	7.1	1.3	1.9								15.5	5.4
SE	1.3	2.6	3.9	.6	.6							9.0	7.9
SSE	2.6	1.3	3.2	3.9	4.5	.6	1.3					17.4	13.3
S	1.9	.6	1.9	.6	1.3	.6						7.1	10.6
SSW	.6											.6	2.0
SW			.6									.6	8.0
WSW		.6			.6							1.3	11.5
W		1.3	1.3	.6	1.3							4.5	10.3
WNW	.6	.6	.6									1.9	5.3
NW	1.3	1.3	.6									3.2	4.4
NNW	1.3	3.9	1.3									6.5	4.7
VARBL													
CALM												9.0	
	23.9	28.4	20.0	7.7	8.4	1.3	1.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

19
HOURS (L.E.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	1.3										3.9	3.2
NNE	1.9	.6										2.6	2.5
NE	.6											.6	2.0
ENE	.6	.6										1.3	4.0
E	9.0	6.5	1.9	.6								18.1	4.3
ESE	2.6	5.8	5.8	.6								14.8	6.0
SE	2.6	2.6	3.2	3.9								12.3	8.0
SSE	1.3	1.3	.6	3.2	1.3	1.3	.6					9.7	13.7
S	.6	.6	.6	2.6		.6						4.3	13.6
SSW		.6										.6	5.0
SW			.6									.6	10.0
WSW	.6		1.3	1.9								3.9	10.3
W	.6	.6			1.9							3.2	13.0
WNW		1.3		2.6								3.9	11.2
NW	.6		.6	.6								1.9	8.0
NNW	1.3	.6										1.9	2.7
VARBL													
CALM												16.1	
	24.5	22.6	14.8	16.1	3.2	1.9	.6					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JAN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	.6	.6									3.2	4.6
NNE	1.3	.6										1.9	3.7
NE	.6											.6	3.0
ENE		1.3	1.9									3.2	6.0
E	14.2	4.5	.6	1.3								20.6	3.6
ESE	2.6	6.5	3.2	1.3								13.5	5.9
SE	2.6	2.6	3.2	5.2	1.3	.6	.6					16.1	10.6
SSE	.6	1.9	1.3	5.2	.6	.6						10.3	11.9
S	.6	2.6				.6						3.9	8.3
SSW													
SW		.6										.6	6.0
WSW		1.3		.6								1.9	7.3
W		.6	1.3	.6	1.9	1.3						5.8	15.9
WNW		.6	1.3	.6	1.9							4.5	12.4
NW			.6									.6	7.0
NNW													
VARBL													
CALM												12.9	
	24.5	23.9	14.2	14.8	5.8	3.2	.6					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

152

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

YEARS
73-77

JAN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	.9	.3	.1								2.7	4.0
NNE	.7	.4	.2									1.4	3.7
NE	.4	.1	.1									.6	3.1
ENE	1.2	1.0	.4									2.7	4.0
E	8.1	6.2	2.3	.5								17.2	4.3
ESE	4.4	7.9	3.3	1.2	.1							16.9	5.6
SE	2.7	3.1	3.5	3.5	1.0	.6	.2					14.6	9.5
SSE	1.1	1.5	2.2	3.5	1.9	.6	.2					11.0	12.1
S	.8	1.4	.6	1.0	.5	.2						4.4	9.4
SSW	.2	.6										.8	3.9
SW	.2	.2	.3			.1						.7	8.2
WSW	.2	.5	.3	.9	.2							2.1	10.6
W	.3	.6	1.0	1.5	.9	.2	.2					4.8	12.6
WNW	.2	.5	.6	.8	.2							2.3	9.8
NW	.6	.6	.4	.4								1.9	6.5
NNW	.5	1.0	.7									2.2	5.3
VARBL													
CALM												13.8	
	23.0	26.5	16.3	13.3	4.8	1.9	.6					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

ALL WEATHER
CLASS

FEB
MONTH

01
HOURS (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.7										2.1	3.0
NNE													
NIE		.7	.7									1.4	6.0
ENE	1.4											1.4	2.0
E	5.0	9.2	4.3	.7								19.1	5.3
ESE	3.5	2.1	2.1	2.1								9.9	6.1
SE	2.8	3.5	2.1	3.5	1.4							13.5	8.6
SSE		2.1	4.3	1.4	.7	.7						9.2	10.2
S	.7	1.4	2.1	3.5	.7							8.5	9.8
SSW		.7										.7	6.0
SW													
WSW		1.4	.7									2.1	6.7
W			2.8	.7		.7						4.3	12.5
WNW		.7	.7	1.4	.7							3.5	11.4
NW				1.4								1.4	11.5
NNW													
VARBL													
CALM												22.7	
	14.9	22.7	19.9	14.9	3.5	1.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEAR

FEB

MONTH

ALL WEATHER
CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4		.7	.7								2.8	6.0
NNE			.7									.7	8.0
NE		.7										.7	5.0
ENE	1.4	.7										2.1	2.7
E	6.4	5.7	2.8									14.9	4.2
ESE	5.7	5.0	5.0	2.1								17.7	5.6
SE	.7	1.4	3.5	3.5								9.2	9.9
SSE	.7	2.1	4.3	1.4	.7							9.2	8.9
S	1.4	1.4	1.4	4.3								8.5	9.1
SSW													
SW	.7	.7										1.4	3.5
WSW			.7	.7								1.4	11.0
W		.7	2.1	1.4	2.1							6.4	12.3
WNW			.7									.7	10.0
NW				.7								.7	11.0
NNW			.7									.7	10.0
VARBL													
CALM												22.7	
	18.4	18.4	22.7	14.9	2.8							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER
CLASS

07
MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	.7										2.1	2.7
NNE													
NE	.7											.7	1.0
ENE		.7										.7	4.0
E	9.2	7.8	1.4	.7								19.1	4.0
ESE	5.7	3.5	2.1	.7								12.1	4.9
SE	1.4	3.5	4.3	2.8	.7							12.8	8.7
SSE	1.4	5.7	.7	5.0	.7							13.5	8.8
S	.7	1.4	1.4	4.3	.7							8.5	10.3
SSW		.7	.7									1.4	5.5
SW		.7										.7	4.0
WSW		.7										.7	6.0
W		.7	1.4	.7	2.1							5.0	13.3
WNW		2.1										2.1	5.3
NW	.7											.7	3.0
NNW		.7	.7									1.4	7.0
VARBL													
CALM												18.4	
	21.3	29.1	12.8	14.2	4.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

FEB
MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4			.7								2.1	5.3
NNE		.7										.7	6.0
NE	.7	.7	.7									2.1	5.3
ENE		.7										.7	6.0
E	2.8	7.8	.7									11.3	4.4
ESE	4.3	7.1	3.5	.7								15.6	5.4
SE	5.0	6.4	3.5	5.0	1.4							21.3	7.8
SSE		.7	2.8	5.7	2.1	.7						12.1	13.1
S	1.4	2.1	2.8	2.8	2.1							11.3	9.9
SSW			1.4	.7								2.1	9.7
SW													
WSW	.7	1.4										2.1	4.0
W			1.4	.7	1.4	.7						4.3	15.8
WNW		.7			.7							1.4	12.0
NW		1.4										1.4	5.0
NNW	2.1	.7	.7									3.5	4.4
VARBL													
CALM												7.8	
	18.4	30.5	17.7	16.3	7.8	1.4						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								2.8	6.5
NNE		.7										.7	6.0
NE	.7	1.4										2.1	4.3
ENE	1.4	.7										2.1	4.0
E	2.1	2.1										4.3	4.3
ESE	1.4	2.8	2.1	1.4								7.8	6.8
SE	.7	3.5	5.7	6.4	.7	.7						17.7	10.5
SSE	.7	2.1	5.7	3.5	2.1	.7						14.9	11.5
S	1.4	1.4	2.1	2.8	1.4	.7						9.9	11.2
SSW		1.4	1.4									2.8	6.5
SW		.7	.7									1.4	6.0
WSW	.7	.7										1.4	4.0
W	1.4	1.4	.7	.7	2.1							6.4	10.4
WNW	2.1	4.3		1.4		.7						8.5	7.3
NW	1.4	2.8	2.8									7.1	5.9
NNW	1.4	3.5	1.4									6.4	5.2
VARBL													
CALM												3.5	
	16.3	30.5	23.4	17.0	6.4	2.8						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.4										3.3	3.4
NNE		.7		.7								1.4	7.5
NE		1.4										1.4	5.0
ENE		2.8	.7									3.3	5.4
E	1.4	3.5	2.1									7.1	5.2
ESE	1.4	3.5	2.1	.7								7.8	6.1
SE		.7	7.1	2.1		.7						10.6	10.3
SSE	1.4	1.4	3.5	6.4	2.1	.7						15.6	11.6
S	2.1	1.4	2.1	2.1								7.8	7.5
SSW	.7		.7	.7								2.1	7.7
SW	.7											.7	2.0
WSW	.7	.7										1.4	3.0
W	2.1		2.1	2.8	.7							7.8	9.4
WNW	4.3	2.1	.7	.7	.7							8.5	5.8
NW	2.1	1.4	1.4	1.4								6.4	7.0
NNW	2.1	5.0	.7	.7								8.5	5.2
VARBL													
CALA												5.7	
	21.3	26.2	23.4	17.7	3.5	2.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8			.7								3.5	4.6
NNE	.7											.7	3.0
NE	.7											.7	2.0
NNE	2.1	.7										2.8	2.5
E	7.1	5.7	6.4									19.1	4.7
ESE	2.1	5.0	1.4									8.5	4.8
SE	1.4	2.1	7.1	2.8	.7							14.2	9.3
SSE			2.8	1.4	2.1	.7						7.1	14.2
S	2.1		2.1	.7		.7						5.7	9.4
SSW				.7								.7	11.0
SW		1.4										1.4	5.5
WSW													
W	.7	.7	2.8	2.8	1.4							8.5	11.4
WNW			1.4	1.4								2.8	10.0
NW	.7	.7										1.4	3.0
NNW	.7	.7										1.4	2.5
VAERL													
CAUA												21.3	
	21.3	17.0	24.1	10.6	4.3	1.4						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

22
HOURS (L.R.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.4	4.0
NNE	.7			.7								1.4	7.5
NE	.7											.7	1.0
ENE	2.1	1.4										3.5	3.4
E	6.4	5.7	1.4	.7								14.2	4.3
ESE	4.3	4.3	2.8	2.8								14.2	6.7
SE	.7	2.1	3.5	1.4	.7							8.5	9.7
SSE	2.1	.7	3.5	2.8	2.1	.7						12.1	11.0
S			.7	1.4	.7	.7						3.5	14.2
SSW		.7		.7								1.4	16.0
SW		.7										.7	6.0
WSW		2.1										2.1	5.0
W		.7	2.8	3.5			.7					7.8	12.2
WNW		.7	1.4	2.1								4.3	11.7
NW			.7									.7	7.0
NNW													
VARBL													
CALM												29.4	
	17.7	19.9	17.0	16.3	3.5	1.4	.7					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	.5	.2	.4								2.6	4.5
NNE	.2	.3	.1	.2								.7	6.6
NE	.4	.6	.2									1.2	4.3
ENE	1.1	1.0	.1									2.1	3.7
E	5.1	5.9	2.4	.3								13.7	4.5
ESE	3.5	4.2	2.7	1.3								11.7	5.8
SE	1.6	2.9	4.6	3.5	.7	.2						13.5	9.2
SSE	.8	1.9	3.5	3.5	1.6	.5						11.7	11.1
S	1.2	1.2	1.9	2.7	.7	.3						8.0	10.0
SSW	.1	.4	.5	.4								1.4	7.9
SW	.2	.5	.1									.8	4.7
WSW	.3	.9	.2	.1								1.4	5.6
W	.5	.5	2.0	1.7	1.2	.2	.1					6.3	11.9
WNW	.8	1.3	.6	.8	.3	.2						4.0	8.3
NW	.6	.8	.6	.4								2.5	6.5
NNW	.8	1.3	.5	.1								2.7	5.2
VARBL													
CALM												15.7	
	18.7	24.3	20.1	15.2	4.5	1.3	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

1128

2
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3			.6							3.2	6.8
NNE													
NE													
ENE	.6											.6	3.0
E	5.8	4.5	2.6									12.9	4.1
ESE	1.9	5.2	1.9									9.0	5.1
SE	3.9	1.9	.6	3.2	2.6	.6						12.3	9.8
SSE		2.6	3.9	2.6	1.9							11.6	11.2
S			1.9	3.2	.6							5.8	12.6
SSW													
SW													
WSW			1.3	.6								1.9	10.3
W		1.9	6.5	3.9		.6						12.9	10.4
WNW		1.3	1.3	1.3								3.9	9.2
NW	.6			1.9								2.6	12.0
NNW	.6	.6	1.3									2.6	7.0
VARBL													
CALM												20.6	
	14.8	19.4	21.3	16.8	5.8	1.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	1.3									3.9	5.0
NNE		.6										.6	5.0
NE													
ENE	1.3											1.3	2.0
E	8.4	5.2	3.9									17.4	4.4
ESE	1.9	4.5	1.9		.6							9.0	5.5
SE	1.3	1.9	1.3	4.5	.6							9.7	9.7
SSE		1.9	4.5	2.6	2.6	.6						12.3	12.1
S	1.9	1.9	.6	1.3	1.3							7.1	8.7
SSW			.6									.6	8.0
SW		.6										.6	4.0
WSW		.6										.6	6.0
W	.6	1.9	.6	2.6	1.3							7.1	11.0
WNW	.6		1.3	1.9								3.9	10.5
NW	.6		.6	2.6	.6							4.5	11.3
NNW	.6	.6		1.3								2.6	8.0
VARBL													
CALM												18.7	
	18.7	21.3	16.8	16.8	7.1	.6						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

07
NOVEMBER (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.9									5.8	5.4
NNE		.6										.6	4.0
NE													
ENE	.6	1.9	1.3									3.9	4.5
E	5.8	5.2	.6									11.6	4.1
ESE	2.6	5.8	3.9	.6								12.9	6.0
SE	.6	2.6	4.5	1.9	1.9	.6						12.3	10.6
SSE		1.9	5.2	2.6	1.3	1.3						12.3	11.7
S	.6		3.9	1.9	.6							7.1	10.2
SSW	.6	.6										1.3	3.0
SW		.6										.6	6.0
WSW													
W		1.9	.6	2.6								5.2	9.6
WNNW			1.3	1.3	.6	.6						3.9	13.0
NW	.6		2.6									3.2	6.4
NNW	1.3	.6	1.3	.6								3.9	6.5
VARB													
CALM												15.5	
	14.8	23.9	27.1	11.6	4.5	2.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

159

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

MAR

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		4.5	3.2									7.7	6.0
NNE													
NE	.6	.6	.6									1.9	4.7
ENE	.6	.6										1.3	3.5
E		1.3	1.9									3.2	7.4
ESE	1.3	1.9	3.9	1.3	.6							9.0	8.5
SE	1.3	1.3	2.6	5.2	1.3	.6						12.3	10.8
SSE	.6	2.6	7.7	4.5	4.5	.6						20.6	12.2
S		2.6	4.5	3.2	1.3							11.6	10.0
SSW		.6										.6	6.0
SW		.6	.6									.6	7.0
WSW	.6	.6		.6								1.9	6.0
W	1.3	1.9	1.3	.6	.6							5.8	8.2
WNW	1.9	3.9	1.3	3.2								10.3	7.8
NW		1.9	.6	1.3								3.9	7.3
NNW	1.3	2.6	2.6									6.5	5.8
VARBL													
CALM												2.6	
	9.7	27.1	31.0	20.0	8.4	1.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAV/OCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

10235
SECTION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.9	1.3								4.5	8.3
NNE													
NE													
ENE		.6											
E					.6							.6	5.0
ESE	.6	1.3	1.9	.6	.6							.6	18.0
SE	.6	1.3	2.6	3.2	1.9							5.2	8.9
SSE	.6	2.6	4.5	12.3	3.9	.6						9.7	10.9
S		3.9	2.6	1.3	1.9							24.5	12.8
SSW	.6			.6	.6							9.7	10.1
SW												1.9	12.7
WSW					.6							.6	18.0
W	1.3	4.5	.6	1.3	.6	.6						9.0	8.4
WNW	.6	9.0	1.9	1.3	.6	.6						14.2	7.5
NW		5.2	1.3	.6								7.1	6.5
NNW		3.2	3.9	2.6								9.7	8.9
VARBL													
CALM												2.6	
	5.2	32.3	21.3	25.2	11.6	1.9						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

MAR
MONTH

16

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.9	.6									5.2	5.5
NNE	.6											.6	2.0
NE													
ENE	.6											.6	2.0
E	.6	1.9	.6									3.2	5.4
ESE	1.3	.6	1.9	.6								4.5	6.9
SE		1.9	4.5	1.9	1.3							9.7	10.0
SSE		1.9	2.6	5.2	2.6	.6						12.9	13.2
S	.6	1.3	4.5	3.9	1.9							12.3	10.9
SSW		1.3										1.3	4.5
SW		.6										.6	5.0
WSW	.6	1.3	1.3	.6								3.9	7.2
W		4.5	2.6	2.6	1.3	.6						11.6	10.3
WNW	3.2	6.5	1.9	1.9	1.6							14.2	6.8
NW	1.9	4.5	1.9	1.9								10.3	6.9
NNW	.6	2.6	3.2	.6								7.1	7.1
VARBL													
CALM												1.9	
	11.0	32.9	25.8	19.4	7.7	1.3						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.6	1.3									4.5	5.0
NNE													
NE													
ENE	.6											.6	2.0
E	1.3	3.2	.6									5.2	4.9
ESE	1.3	4.5	3.2									9.0	6.1
SE		2.6	5.2	1.9	1.3							11.0	10.0
SSE		1.3	1.3	2.6	1.9							7.1	12.2
S	.6	.6	.6	1.9	.6							3.9	10.7
SSW	.6	.6										1.3	4.0
SW													
WSW	.6		1.3									1.9	6.3
W	2.6	5.2	3.9	1.9	.6	.6						14.8	8.2
WNW	.6	.6	1.9	2.6	1.3	1.3						8.4	12.8
NW		1.9	.6	.6								3.2	7.4
NNW	1.9	.6	.6	2.6								5.8	7.7
VARBL													
CALM												23.2	
	11.0	23.2	20.6	14.2	5.8	1.9						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAR
MONTH

ALL WEATHER
CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6		.6									1.3	5.0
NNE		.6										.6	4.0
NE													
NNE	1.3	.6										1.9	2.7
E	5.8	4.5	1.3									11.6	3.8
ESE	3.2	1.9	2.6	1.3								9.0	5.6
SE	1.3	.6	5.8	5.2	1.3							14.2	11.1
SSE	.6	1.3	.6	3.9	1.3							7.7	11.5
S	.6	.6	2.6	2.6	.6							7.1	11.2
SSW													
SW	1.3	.6	.6									2.6	4.3
WSW			.6	.6								1.3	9.5
W		1.9	3.9	3.2	1.9							11.0	10.9
WNW		1.3	2.6	2.6	.6	.6						7.7	11.8
NW	.6		1.3	.6	.6							2.6	8.3
NNW	.6	.6		.6								2.6	10.3
VARBL													
CALM												18.7	
	16.1	14.8	22.6	20.6	6.5	.6						100.0	7.2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.0	1.4	.2	.1							4.5	5.9
NNE	.1	.2										.3	3.8
NE	.1	.1	.1									.2	4.7
ENE	.7	.5	.2									1.4	3.4
E	3.5	3.2	1.5		.1							8.2	4.5
ESE	1.8	3.2	2.7	.6	.2							8.5	6.4
SE	1.1	1.8	3.4	3.4	1.5	.2						11.4	10.4
SSE	.2	2.0	3.8	4.5	2.5	.6						13.6	12.2
S	.6	1.3	2.7	2.4	1.1							8.1	10.5
SSW	.2	.4	.1	.1	.1							.9	6.8
SW	.2	.3	.2									.6	4.9
WSW	.2	.3	.6	.3	.1							1.5	8.1
W	.7	3.0	2.5	2.3	.8	.3						9.7	9.7
WNW	.9	2.8	1.7	2.0	.5	.4						8.3	9.3
NW	.6	1.7	1.1	1.2	.1							4.7	7.8
NNW	.9	1.5	1.6	1.0	.1							5.1	7.6
VARBL													
CALM												13.0	
	12.7	24.4	23.3	18.1	7.2	1.5						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

APR
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0											2.0	2.3
NNE													
NE	.7											.7	2.0
ENE	.7											.7	2.0
E	10.0	2.0					.7					12.7	4.1
ESE	6.0	2.0	1.3	.7								10.0	3.9
SE		1.3	1.3	1.3								4.0	8.2
SSE		2.7	2.0	.7								5.3	7.4
S		.7	1.3	.7	.7							3.3	11.6
SSW			.7									.7	7.0
SW	.7		.7									1.3	6.0
WSW		2.0	2.0									4.0	6.8
W	2.0	6.0	6.7	4.7								19.3	7.9
WNW			1.3	3.3	.7	.7						6.0	14.0
NW	1.3	.7	1.3									3.3	5.0
NNW	1.3			.7								2.0	5.7
VAREL													
CALM												24.7	
	24.7	17.3	18.7	12.0	1.3	.7	.7					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

APR
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3			.7								2.0	5.7
NNE													
NE													
ENE		.7										.7	6.0
E	9.3	2.0	.7									12.0	3.1
ESE	6.0	4.0	.7									10.7	3.9
SE	3.3	2.0	2.0									7.3	4.6
SSE	2.0	1.3	3.3	2.7								9.3	8.5
S	.7	2.0	.7	.7								4.7	7.9
SSW		1.3										1.3	4.0
SW		1.3	1.3									2.7	7.0
WSW													
W	1.3	4.7	1.3	4.0								11.3	8.0
WNW		.7	2.0	3.3	1.3	.7						8.0	13.2
NW		1.3	.7									2.0	6.3
NNW	.7	.7										1.3	3.0
VARBL													
CALM												26.7	
	24.7	22.0	12.7	11.3	2.0	.7						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7		.7								2.0	5.3
NNE													
NE													
ENE		.7										.7	4.0
E	5.3	2.0										7.3	3.4
ESE	6.7	6.0	2.0									14.7	4.0
SE	1.3	6.7	2.0	.7								10.7	5.9
SSE	2.7	1.3	3.3	2.7								10.0	8.1
S	1.3	2.7	2.7	.7								7.3	6.2
SSW	.7	.7	.7									2.0	4.7
SW		1.3	.7									2.0	6.0
WSW		1.3	.7									2.0	5.3
W		.7	2.0	2.0	.7							5.3	11.6
WNW	.7	2.0	2.7	2.0	2.0							9.3	11.1
NW	.7											.7	3.0
NNW	.7											.7	1.0
VARBL													
CALM												25.3	
	20.7	26.0	16.7	8.7	2.7							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7			2.0								2.7	11.0
NNE													
NE													
ENE													
E	.7	.7	.7									2.0	5.7
ESE		2.7	1.3	.7								4.7	6.9
SE	.7	1.3	3.3	2.0								7.3	8.6
SSE	.7	2.7	7.3	2.7	.7							14.0	9.0
S	.7	.7	8.0	2.0								11.3	8.8
SSW	.7	.7	.7									1.3	6.5
SW	.7											.7	2.0
WSW	.7	2.0	1.3									4.0	5.8
W	1.3	10.0	3.3	1.3	.7							16.7	7.0
WNW	3.3	6.0	3.3	.7	2.0							15.3	7.4
NW	2.7	4.0	1.3	.7								8.7	5.2
NNW	1.3	2.7	3.3	.7								8.0	6.5
VARB													
CALM												3.3	
	13.3	33.3	34.0	12.7	3.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		1.3										1.3	5.0
ESE	1.3	.7										2.0	3.0
SE	.7	1.3	4.0	1.3	.7							8.0	9.1
SSE		1.3	3.3	4.0								8.7	10.2
S		4.7	4.0	3.3	.7							12.7	9.4
SSW		2.7					.7					3.3	10.0
SW		.7	.7									1.3	6.5
WSW		.7	1.3									2.0	6.3
W	3.3	12.0	6.0	2.0	1.3	.7						25.3	7.7
WNW	.7	12.7	3.3	2.0	1.3	.7						20.7	8.0
NW	.7	5.3	2.0									8.0	5.9
NNW		2.0	2.7	1.3								6.0	8.6
VABL													
CALM												.7	
	6.7	45.3	27.3	14.0	4.0	1.3	.7					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	2.7	.7								4.7	6.7
NNE													
NE													
ENE		1.3										1.3	5.0
E		.7										.7	5.0
ESE		2.0										2.0	5.0
SE	.7	1.3	1.3	.7								4.0	8.5
SSE	.7	.7	2.7	2.7	.7							6.7	11.3
S		1.3	6.0	1.3								8.7	7.9
SSW				.7								.7	11.0
SW	.7											.7	2.0
WSW	.7	3.3	2.7									6.7	6.1
W	.7	14.0	11.3	2.0	1.3	.7						30.0	8.0
WNW	1.3	10.0	4.0	2.7	2.0							20.0	7.7
NW	.7	8.0	1.3									10.0	5.4
NNW		2.0	1.3									3.3	5.8
VARBL													
CALM												.7	
	5.3	45.3	33.3	10.7	4.0	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0										3.3	4.0
NNE													
NE													
ENE													
E	2.7	2.0	.7									5.3	3.3
ESE	1.3	1.3	1.3									4.0	5.3
SE	.7	.7	1.3	.7								3.3	7.8
SSE	1.3	2.7	2.0	1.3	.7							8.0	7.8
S	.7	.7	.7	.7	.7							3.3	9.0
SSW		1.3	1.3									2.7	7.0
SW		1.3										1.3	4.5
WSW	2.0	4.0	2.0									6.0	5.5
W	4.7	4.7	5.3	2.7	.7	.7						18.7	7.5
WNW	4.7	3.3	.7	3.3	2.0							14.0	8.4
NW	2.0	2.7		.7								5.3	4.4
NNW	2.7	.7										3.3	2.6
VARBL													
CALM												19.3	
	24.0	27.3	15.3	9.3	4.0	.7						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7										2.7	2.5
NNE		.7										.7	5.0
NE	.7											.7	1.0
ENE	2.0											2.0	1.7
E	7.3	1.3										8.7	2.3
ESE	.7	2.0	.7									3.3	5.4
SE	2.7		2.0	.7								5.3	6.4
SSE		2.7	1.3	1.3								5.3	8.3
S	.7			2.0								2.7	11.3
SSW	.7	2.7										3.3	4.4
SW			1.3									1.3	7.0
WSW	2.0	1.3		1.3								4.7	6.4
W	1.3	4.7	6.7	4.0	2.7	.7						20.0	10.0
WNW		2.7	2.0	4.0								8.7	10.2
NW	2.0	.7										2.7	3.0
NNW	1.3	.7										2.0	3.3
VARBL													
CALM												26.0	
	23.3	20.0	14.0	13.3	2.7	.7						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.5	.3	.5								2.4	5.6
NNE		.1										.1	5.0
NE	.2											.2	1.5
ENE	.3	.3										.7	3.4
E	4.4	1.5	.2				.1					6.2	3.5
ESE	2.7	2.6	.9	.2								6.4	4.4
SE	1.2	1.8	2.2	.9	.1							6.2	7.2
SSE	.8	1.9	3.2	2.2	.2							8.4	8.8
S	.5	1.6	2.9	1.4	.3							6.7	8.7
SSW	.2	1.2	.4	.1			.1					1.9	6.7
SW	.2	.6	.6									1.4	5.8
WSW	.7	1.8	1.2	.2								3.9	6.0
W	1.8	7.1	5.3	2.8	.9	.3						18.3	8.1
WNW	1.3	4.7	2.4	2.7	1.4	.2						12.7	9.2
NW	1.2	2.8	.8	.2								5.1	5.1
NNW	1.0	1.1	.9	.3								3.3	5.8
VARBL													
CALM												15.8	
	17.8	29.6	21.5	11.5	3.0	.6	.2					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

1200

AD-A062 048 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) WHIDBEY --ETC(U)
JUL 78

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) WHIDBEY --ETC(U)
JUL 78

F/G 4/2

NL

AD
A062 048

AD
A062 048

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

MAY
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.6											.6	3.0
ENE	1.3											1.3	3.0
E	9.7	2.6										12.3	2.7
ESE	1.3	3.9	.6	1.9								7.7	6.2
SE	1.3	1.3	1.9	1.9	1.3							7.7	9.9
SSE	1.9	1.3	1.3	1.3	.6							6.5	7.3
S	1.3	1.9										3.2	4.2
SSW	.6	1.3										1.9	4.7
SW	1.3	.6										1.9	3.0
WSW	5.2	1.9	2.6	3.2								12.9	6.9
W	3.9	3.9	3.9	1.9								13.5	6.3
WNW	1.3	2.6	1.3	1.9								7.1	7.9
NW	.6											.6	2.0
NNW													
VARBL													
CALM												22.6	
	30.3	21.3	11.6	12.3	1.9							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE													
NE													
ENE	.6											.6	2.0
E	11.6	3.9	1.3									16.8	3.0
ESE	5.2	2.6	.6	.6								9.0	3.8
SE	1.3	.6	1.9	2.6								6.5	6.7
SSE	1.9	2.6	1.9	.6	.6							7.7	7.3
S	1.3	1.3										2.6	3.3
SSW	1.9	.6										2.6	2.8
SW	.6	3.9	1.3	.6								6.5	6.1
WSW	3.9	2.6	1.9	.6								9.0	4.7
W	1.9	5.2	3.2	1.3								11.6	7.0
WNW	1.9	2.6		1.9								6.5	6.0
NW													
NNW				.6								.6	14.0
VARB.													
CALM												18.7	
	33.5	25.8	12.3	9.0	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	5.0
NNE													
NE	.6											.6	1.0
ENE	.6											.6	2.0
E	2.6	5.8	.6									9.0	4.1
ESE	1.3	3.2	.6	.6								5.8	5.2
SE	3.2	1.9	3.9	1.3	.6							11.0	7.4
SSE	1.9	1.9	3.9	2.6		.6						11.0	8.8
S	.6	3.9	1.3									5.8	5.6
SSW	3.2	1.3	.6	.6								5.8	6.7
SW	.6	2.6	.6									3.9	5.0
WSW	2.6	3.2	3.9	.6								10.3	6.3
W	5.2	4.5	3.2	1.3								14.2	5.3
WNW	3.2	1.3	.6	1.3								6.5	5.1
NW	1.9		.6									2.6	3.8
NNW	.6		.6									1.3	5.0
VARBL													
CALM												11.0	
	28.4	30.3	20.6	8.4	.6	.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE													
NE													
ENE	.6											.6	3.0
E	.6	1.3										1.9	4.0
ESE	.6	1.3	1.9									3.9	6.7
SE	.6	1.9	1.3	3.2	.6							7.7	9.8
SSE		5.2	5.2	3.2								13.5	8.4
S	1.3	1.9	1.9	1.3		.6						5.2	10.4
SSW	.6	4.5	.6	.6								6.5	5.7
SW		.6	.6									1.3	5.5
WSW	1.9	4.5	3.2									9.7	5.3
W	1.9	6.5	3.2	3.2								14.8	7.0
WNW	.6	11.6	2.6	1.3								16.1	6.1
NW		5.2	5.2	.6								11.0	6.9
NNW	1.3	1.9	1.9	.6								5.8	6.0
VARIABLE													
CALM												1.3	
	10.3	45.2	27.7	14.2	.6	.6						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE													
NE													
ENE													
E													
ESE		1.9	.6									2.6	6.5
SE		1.9	.6		.6							3.2	8.4
SSE		1.9	5.8	3.2		1.3						12.3	10.8
S	.6	2.6	1.9	1.9	.6							7.7	9.4
SSW			.6	.6								1.3	10.0
SW		1.3	.6									1.9	6.3
WSW	.6	1.9	3.9	1.3								7.7	7.6
W	1.3	12.9	8.4	1.9								24.5	6.8
WNW	1.3	14.2	6.5	.6	1.3							23.9	6.8
NW	.6	5.8	3.9									10.3	6.1
NNW		3.2	.6									3.9	5.8
VARB.													
CALM												.0	
	4.5	47.7	34.2	9.7	2.6	1.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

MAY
MONTH

16

ALL WEATHER
CLASS

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.6										.6	4.0
E													
ESE			.6									.6	7.0
SE		1.3	1.3		1.3							3.9	11.0
SSE		1.3	1.9	1.9	1.3							6.5	11.5
S	1.3			.6	.6							2.6	9.8
SSW	.6		.6									1.3	6.5
SW		.6	.6									1.3	7.0
WSW		1.9	6.5	.6								9.0	8.1
W	1.3	15.5	16.8	3.2	.6							37.4	7.4
WNW	1.3	13.5	8.4	.6	.6							23.9	6.4
NW		6.5	1.9			.6						9.0	7.0
NNW	1.3	1.3	.6									3.2	4.6
VARBL													
CALM												.6	
	5.8	42.6	39.4	6.5	4.5	.6						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	2.5
NNE													
NE													
ENE													
E	1.3	1.9											
ESE		1.9	.6	.6								3.2	3.8
SE			.6	.6	.6							3.2	6.0
SSE		1.9	1.3	1.3								1.9	13.7
S			.6									4.5	8.3
SSW	1.3	1.9	.6									.6	9.0
SW	1.3		1.9									3.9	5.0
WSW	1.3	5.2	5.8	.6								3.2	6.2
W	7.1	11.6	7.1	1.9		1.3						12.9	7.0
WNW	7.1	5.8	1.9	.6	.6							29.0	6.6
NW	1.9	3.2	.6	.6								16.1	5.4
NNW	1.9											6.5	5.2
VARBL												1.9	2.3
CALM												11.6	
	23.9	34.2	21.3	5.8	1.3	1.9						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.0
NNE													
NE	.6											.6	2.0
ENE	1.9											1.9	2.0
E	2.6	1.3										3.9	3.3
ESE	1.3		1.9	.6								3.9	6.8
SE	.6	.6	.6	1.3	1.3							4.5	10.6
SSE	.6	1.3	1.9									3.9	7.0
S	.6	.6	.6	.6								2.6	6.0
SSW		.6	.6									1.3	5.5
SW	1.9	1.3										3.2	3.4
WSW	2.6	5.8	1.9									10.3	5.2
W	3.2	5.8	5.8	3.2	1.3							19.4	7.5
WNW	.6	1.9	3.2	.6	.6							7.1	8.0
NW	1.3	.6										1.9	3.0
NNW	.6	1.3	.6		.6							3.2	7.2
VARBL													
CALM												31.0	
	20.0	21.3	17.4	6.5	3.9							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NCPERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.1									.7	3.8
NNE													
NE	.2											.2	2.0
ENE	.6	.1										.7	2.6
E	3.5	2.1	.2									5.9	3.3
ESE	1.2	1.9	1.0	.6								4.6	5.6
SE	.9	1.2	1.5	1.4	.8							5.8	9.3
SSE	.8	2.2	2.9	1.8	.3	.2						8.2	8.9
S	.9	1.3	.8	.6	.2	.1						3.8	7.5
SSW	1.0	1.3	.5	.2								3.1	5.2
SW	.7	1.4	.7	.1								2.9	5.3
WSW	2.3	3.4	3.7	.9								10.2	6.4
W	3.2	8.2	6.5	2.3	.2	.2						20.6	6.8
WNW	2.2	6.7	3.1	1.0	.4	.1						13.4	6.4
NW	.8	2.7	1.5	.2		.1						5.2	6.0
NNW	.7	1.0	.6	.2	.1							2.5	5.8
VARBL													
CALM												12.1	
	19.6	33.5	23.1	9.0	2.0	.6						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	.7											.7	2.0
E	2.7	1.3	.7									4.7	3.7
ESE	.7	1.3	.7	.7								3.3	5.8
SE		1.3		1.3								2.7	9.8
SSE	2.0			1.3								3.3	6.2
S	1.3		.7									2.0	4.7
SSW	3.3											3.3	2.2
SW	1.3	1.3	2.0									4.7	5.7
WSW	2.7	5.3	4.7									12.7	5.6
W	3.3	7.3	8.7	3.3								22.7	7.1
WNW	.7	2.0	1.3	1.3								5.3	7.3
NW	.7											.7	1.0
NNW	.7											.7	2.0
VARBL													
CALM												33.3	
	20.0	20.0	18.7	6.0								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	3.0
NNE													
NE	.7											.7	2.0
ENE	1.3											1.3	2.0
E	6.7											6.7	2.0
ESE	4.0	1.3		.7								6.0	3.7
SE	2.0	4.0	1.3									7.3	4.7
SSE	.7	1.3	.7									2.7	4.0
S	3.3	.7										4.0	2.3
SSW	2.0	.7										2.7	3.3
SW	1.3	4.0	1.3	.7								7.3	5.6
WSW	2.7	4.7	4.7									12.0	5.7
W	2.0	5.3	5.3	2.7								15.3	6.9
WNW	2.7	.7	2.0	1.3								6.7	6.1
NW		.7										.7	4.0
NNW	.7											.7	3.0
VARBL													
CALM												25.3	
	30.7	23.3	15.3	5.3								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JUN

MONTH

ALL WEATHER
CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
N E													
ENE													
E	1.3	2.7	.7									4.7	5.0
ESE	.7	.7	1.3									2.7	5.5
SE	1.3	2.0	2.0	.7								6.0	6.8
SSE	.7	2.0	1.3	2.0								6.0	8.1
S	2.0	1.3	3.3									6.7	5.3
SSW	1.3	2.7										4.0	4.3
SW	1.3	3.3										4.7	4.3
WSW	4.7	11.3	3.3	.7								20.0	5.3
W	2.0	6.7	8.7									17.3	6.1
WNW	10.0	1.3	.7	2.0								14.0	4.2
NW		3.3										3.3	4.6
NNW	1.3	.7										2.0	3.0
VARB													
CALM												8.7	
	26.7	38.0	21.3	5.3								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NIE													
SNE													
E		.7	.7	.7								2.0	8.0
ESE			.7									.7	7.0
SE		1.3	5.3									6.7	8.2
SSE	.7	2.7	2.0	2.0								7.3	7.9
S	.7	2.7	2.7									6.0	6.3
SSW		.7										.7	5.0
SW	.7	1.3	2.0									4.0	7.0
WSW	1.3	6.0	2.0									9.3	5.4
W	3.3	15.3	6.7	3.3								28.7	6.3
WNW	2.0	15.3	1.3	.7	.7							20.0	5.5
NW	2.0	6.0	2.7									10.7	5.0
NNW	1.3	.7	.7									2.7	4.0
VARBL													
CALM												1.3	
	12.0	52.7	26.7	6.7	.7							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E													
ESE		.7	1.3									2.0	7.3
SE			2.7		.7							3.3	10.0
SSE		2.0	2.7	.7								5.3	8.1
S	.7		4.0	.7								5.3	8.3
SSW													
SW	.7	1.3	4.0									6.0	7.2
WSW	.7	2.0	4.0	1.3								8.0	8.1
W	4.0	13.3	16.0	1.3								34.7	6.7
WNW	1.3	14.0	2.7									18.0	5.1
NW	1.3	6.0	2.0									9.3	5.4
NNW	.7	3.3	2.7									6.7	6.2
VARB												1.3	
CALM													
	9.3	42.7	42.0	4.0	.7							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.7									2.7	5.3
NNE													
NE													
ENE													
E		.7										.7	4.0
ESE			2.0									2.0	7.7
SE		.7	.7	.7								2.0	9.0
SSE	.7	1.3	1.3	2.0								4.0	9.5
S	.7	2.0	.7									3.3	5.2
SSW		.7										.7	6.0
SW	.7	2.0	2.7	1.3								6.7	8.3
WSW	.7	2.7	5.3	4.0								12.7	8.6
W	2.0	17.3	11.3	1.3	.7							32.7	6.6
WNW	1.3	10.7	6.7		.7							19.3	6.2
NW	.7	6.0	.7									7.3	5.1
NNW	1.3	2.7	1.3	.7								6.0	5.6
VARBL													
CALM												.0	
	9.3	46.0	33.3	10.0	1.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	.7											.7	3.0
E		2.0										2.0	4.3
ESE				.7								.7	11.0
SE	.7	.7	.7									2.0	4.3
SSE	1.3		.7		.7							2.7	8.0
S		.7	1.3									2.0	7.0
SSW													
SW	1.3	2.7	2.0									6.0	5.2
WSW	1.3	8.0	6.7	1.3								17.3	6.8
W	12.7	22.7	4.7	4.7								44.7	5.6
WNW	4.0	4.0	1.3									9.3	4.0
NW	2.7	2.0										4.7	3.6
NNW	.7											.7	3.0
VARBL													
CALM												7.3	
	25.3	42.7	17.3	6.7	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7										2.0	3.0
NNE													
NE													
ENE	.7											.7	1.0
E	2.7	2.7	.7									6.0	3.9
ESE	.7	1.3		.7								2.7	5.8
SE		.7		.7	.7							2.0	12.0
SSE	.7	.7										1.3	4.0
S				.7								.7	13.0
SSW	1.3	.7										2.0	2.7
SW	2.0	1.3	2.7									6.0	5.2
WSW	2.0	8.0	4.7									14.7	5.8
W	8.0	10.0	5.3	4.7								28.0	6.6
WNW	4.0	1.3	1.3	1.3								8.0	5.3
NW	2.0											2.0	2.0
NNW	1.3	.7										2.0	3.0
YARL													
CALM												22.0	
	26.7	28.0	14.7	8.0	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.1									.7	4.1
NNE													
NE	.1											.1	2.0
ENE	.4											.4	2.0
E	1.7	1.2	.3	.1								3.3	3.9
ESE	.7	.7	.7	.3								2.5	5.7
SE	.5	1.3	1.6	.4	.2							4.0	7.5
SSE	.8	1.1	1.1	1.0	.1							4.1	7.5
S	1.1	.9	1.6	.2								3.7	5.9
SSW	1.0	.7										1.7	3.5
SW	1.2	2.2	2.1	.2								5.7	6.1
WSW	2.0	6.0	4.4	.9								13.3	6.3
W	4.7	12.2	8.3	2.7	.1							28.0	6.4
WNW	3.2	6.2	2.2	.8	.2							12.6	5.4
NW	1.2	3.0	.7									4.8	4.7
NNW	1.0	1.0	.6	.1								2.7	4.8
VARBL													
CALM												12.4	
	20.0	36.7	23.7	6.7	.5							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

JUL
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	2.6	.6										3.2	2.4
ESE	.6	2.6										3.2	3.4
SE				.6								.6	14.0
SSE					.6							.6	18.0
S	4.5			.6								5.2	3.1
SSW	3.9	.6	.6									5.2	3.0
SW	1.9	1.9	.6									4.5	4.0
WSW	4.5	3.9	3.9									12.3	5.3
W	5.8	8.4	6.5	.6								21.3	5.3
WNW	2.6	.6	.6									3.9	3.3
NW			.6									.6	8.0
NNW	1.3	.6										1.9	2.7
VARB													
CALM												37.4	
	27.7	19.4	12.9	1.9	.6							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE													
NE													
ENE	.6											.6	3.0
E	7.1	1.3										8.4	2.2
ESE	3.9	.6										4.5	2.1
SE	1.9	.6										2.6	2.8
SSE	.6	.6		1.3								2.6	8.8
S	3.2	.6		.6								4.5	3.6
SSW	3.2	.6	.6									4.5	3.7
SW	2.6	1.9	.6									5.2	4.3
WSW	3.2	2.6	5.2									11.0	5.7
W	3.2	5.2	1.3									9.7	4.4
WNW	2.6	1.3										3.9	3.2
NW	1.3											1.3	1.5
NNW		.6										.6	4.0
VARBL													
CALM												40.0	
	34.2	16.1	7.7	1.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

COMBINATION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE													
NE													
NNE	.6											.6	2.0
E	.6											.6	3.0
ESE	2.6	1.9	.6									5.2	3.9
SE	1.9	1.3	1.3	.6								3.9	7.7
SSE	.6	2.6	.6									3.9	5.2
S	3.2	.6	1.3									5.2	3.8
SSW	2.6	3.2										5.8	3.7
SW	1.3	5.2	2.6									9.0	5.4
WSW	3.2	10.3	4.5									18.1	5.2
W	9.0	5.2										14.2	3.1
WNW	3.2	4.5	.6									8.4	3.9
NW	3.2	1.3										4.5	2.7
NNW	1.3	.6										1.9	2.7
VARBL													
CALM												18.1	
	32.3	37.4	11.6	.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.6										.6	4.0
ENE													
E			.6									.6	8.0
ESE	1.3	.6	1.9									3.9	5.3
SE	.6	1.3										1.9	4.3
SSE	.6	.6	2.6	1.3								5.2	8.6
S	1.3	2.6	.6	.6								5.2	6.1
SSW		1.3	1.3									2.6	6.8
SW	.6	1.9	1.3									3.9	5.8
WSW	.6	6.5	2.6									9.7	5.8
W	4.3	17.4	7.1	1.3								30.3	5.7
WNW	3.2	16.8	.6									20.6	4.4
NW	1.9	7.1	.6									9.7	4.5
NNW	.6	3.2	.6									4.5	5.3
VARBL													
CALM												1.3	
	15.5	60.0	20.0	3.2								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	5.0
NNE													
NE													
ENE													
E			.6									.6	10.0
ESE													
SE	1.3		1.3									2.6	6.0
SSE		.6	.6		.6							1.9	10.3
S		1.3	1.3	1.3								2.6	10.8
SSW		.6										.6	4.0
SW		1.3	1.3									2.6	7.8
WSW		1.3	2.6	1.3								5.2	8.5
W	1.3	21.9	10.3	.6								34.2	6.1
WNW	2.6	18.1	5.2									25.8	5.3
NW	.6	15.5	1.9									18.1	5.0
NNW	1.3	1.9										3.2	4.4
VARBL													
CALM												1.3	
	7.1	62.6	25.2	3.2	.6							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE	.6											.6	3.0
SE			1.3									1.3	7.5
SSE		.6	.6	.6	.6							2.6	11.8
S		.6		.6								1.3	8.5
SSW	.6											.6	2.0
SW			1.3									1.3	9.0
WSW	1.3	3.9	2.6									7.7	5.9
W	1.3	19.4	16.8	2.6								40.0	6.6
WNW	2.6	20.6	1.3									24.5	4.9
NW	2.6	8.4	2.6									13.5	5.2
NNW		5.2	.6									5.8	5.6
VARBL													
CALM												.6	
	9.0	58.7	27.1	3.9	.6							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JUL
MONTH

19
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		.6										.6	4.0
ESE													
SE				1.3								1.3	13.0
SSE			.6	.6								1.3	9.5
S	.6		.6									1.3	5.5
SSW													
SW	1.3	2.6	2.6									6.5	5.6
WSW	.6	9.0	1.9									11.6	4.9
W	10.3	20.6	5.2	1.3								37.4	4.7
WNW	11.0	5.2										16.1	3.0
NW	5.8	3.9										9.7	3.1
NNW	4.5	1.3										5.8	2.7
VARBL													
CALM												8.4	
	34.2	43.2	11.0	3.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.6										3.2	2.2
NNE													
NE	.6											.6	2.0
ENE	1.9											1.9	2.7
E	2.6											2.6	2.0
ESE	.6											.6	2.0
SE				1.3	.6							1.9	15.0
SSE													
S	1.9	1.3	.6									3.9	3.5
SSW	1.9											1.9	2.0
SW	.6	3.9	.6									5.2	5.1
WSW	5.8	5.2	2.6	.6								14.2	5.0
W	11.6	6.5	2.6	1.3								21.9	4.1
WNW	2.6	3.2	.6	.6								7.1	4.7
NW	1.3											1.3	2.5
NNW	.6	.6										1.3	3.5
VARBL													
CALM												32.3	
	34.8	21.3	7.1	3.9	.6							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2										.7	2.9
NNE													
NE	.1	.1										.2	3.0
ENE	.4											.4	2.6
E	1.6	.3	.2									2.1	2.8
ESE	1.2	.7	.3									2.3	3.6
SE	.5	.5	.5	.5	.1							2.0	7.8
SSE	.2	.6	.6	.5	.2							2.3	8.9
S	1.9	.7	.6	.5								3.6	4.9
SSW	1.5	.8	.3									2.7	3.7
SW	1.0	2.3	1.4									4.8	5.4
WSW	2.4	5.3	3.2	.2								11.2	5.5
W	5.9	13.1	6.2	1.0								26.1	5.3
WNW	3.8	8.8	1.1	.1								13.8	4.4
NW	2.1	4.5	.7									7.3	4.4
NNW	1.2	1.8	.2									3.1	4.1
VARBL													
CALM												17.4	
	24.4	39.8	15.3	2.7	.3							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	.6	.6										1.3	3.5
E	4.5	.6										5.2	2.3
ESE	1.3	.6										1.9	2.3
SE		1.3		.6								1.9	7.0
SSE	2.6	.6	1.9									5.2	4.3
S	1.9	1.3										3.2	3.8
SSW	2.6	3.9	.6									7.1	4.3
SW	3.9	4.5	.6									9.0	3.7
WSW	4.5	4.5	.6	.6								10.3	4.9
W	4.5	4.5	1.9									11.0	4.5
WNW	1.9	1.9	.6									4.5	3.9
NW	1.3											1.3	2.0
NNW	1.3											1.3	1.0
VARIABLE													
CALM												36.8	
	31.0	24.5	6.5	1.3								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

YEARS
73-77

AUG
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	1.0
NNE													
NE													
ENE	1.3	.6										1.9	2.7
E	5.2	1.3	.6									7.1	3.2
ESE	.6	1.9	.6									3.2	5.6
SE	3.2	.6										3.9	2.0
SSE		1.3	1.3	.6								3.2	8.2
S	1.3											1.3	2.0
SSW	2.6	1.3	.6									4.5	4.1
SW	4.5	2.6	3.9									11.0	4.9
WSW	3.2	5.2	1.9									10.3	4.6
W	6.5	3.9	2.6									12.9	4.2
WNW	.6	1.3										1.9	4.3
NW	.6	.6	.6									1.9	4.3
NNW	1.9											1.9	2.0
VARBL													
CALM												32.9	
	33.5	20.6	12.3	.6								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	1.0
NNE													
NE													
ENE	.6											.6	3.0
E	1.9	.6	.6									3.2	4.0
ESE	1.3	1.3	.6									3.2	4.6
SE	2.6	4.5	1.3	.6								9.0	5.1
SSE	3.2		2.6		.6							6.5	6.0
S	1.3	1.3										2.6	3.3
SSW	1.9	4.5										6.5	4.2
SW	3.2	1.9	1.9									7.1	4.5
WSW	4.5	6.5	1.3									12.3	4.4
W	7.1	3.9	3.2									14.2	4.2
WNW	2.6	.6										3.2	2.0
NW	1.3											1.3	2.0
NNW	.6		.6									1.3	5.0
VARBL													
CALM												28.4	
	32.9	25.2	12.3	.6	.6							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE													
NIE													
ENE													
E		.6	.6									1.3	8.0
ESE		2.6	2.6									2.6	5.5
SE	.6	1.3	2.6									4.5	6.9
SSE	1.9	3.9	2.6	1.3	.6							10.3	7.5
S	1.3	3.9	1.3									6.5	4.8
SSW		1.9										1.9	4.3
SW		.6	1.9									2.6	7.8
WSW	1.9	11.0	2.6									15.5	5.2
W	1.9	14.8	1.9									18.7	4.9
WNW	5.2	11.6		.6								17.4	4.3
NW	2.6	5.2										7.7	4.2
NNW	2.6	4.5										7.1	3.5
VARBL													
CALM												3.2	
	18.7	61.9	13.5	1.9	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLAS

13
HOURS (L.S.T.)

COMBINATION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		.6										.6	4.0
E	.6	1.9										2.6	4.3
ESE		.6	1.3									1.9	7.7
SE	.6	3.2	3.9	1.3								9.0	7.6
SSE		3.9	.6									4.5	5.6
S		2.6										2.6	4.5
SSW	.6	.6										1.3	3.0
SW	.6	3.2	3.2									7.1	6.5
WSW	.6	12.9	7.7	.6								21.9	6.4
W	1.9	23.2	4.5									29.7	5.0
WNW	1.3	8.4	1.9									11.6	5.3
NW	.6	5.2	.6									6.5	4.6
NNW												.6	
VARBL													
CALA													
	7.1	66.5	23.9	1.9								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE		.6										.6	4.0
NE													
ENE													
E													
ESE	.6	.6	.6									1.9	5.3
SE	1.9	.6	1.9									4.5	6.0
SSE	.6	3.2	3.2	.6								7.7	7.4
S		3.9	.6									4.5	5.3
SSW													
SW		.6	1.3									1.9	7.0
WSW		3.9	3.9	.6								8.4	6.9
W	3.2	19.4	7.7									30.3	5.7
WNW	3.2	20.0	.6									23.9	4.5
NW		9.0	1.3									10.3	5.1
NNW	.6	2.6	.6									3.9	4.8
VARBL													
CALM												1.3	
	10.3	65.2	21.9	1.3								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6										1.9	2.7
NNE	.6											.6	2.0
NE													
ENE	.6											.6	2.0
E	.6											.6	2.0
ESE	1.3											1.3	3.0
SE	1.9	1.3	1.3									4.5	4.7
SSE	1.3	.6		1.9								3.9	7.3
S	1.9	.6	.6									3.2	5.0
SSW	1.9	1.3										3.2	3.2
SW	1.3	1.9	2.6									5.8	6.4
WSW	6.5	4.5	3.9									14.8	4.6
W	13.5	5.8	3.9	1.9								25.2	4.7
WNW	7.1	1.9	.6									9.7	2.9
NW	3.9	1.3	.6									5.8	3.3
NNW	3.9	.6										4.5	2.3
VARBL													
CALM												14.2	
	47.7	20.6	13.5	3.9								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.6											.6	2.0
ENE													
E	2.6												
ESE	.6	.6		.6								2.6	2.3
SE	1.3	.6	1.3	.6								1.9	6.7
SSE	.6	.6	1.3									3.9	6.5
S	1.3	.6										2.6	5.0
SSW	1.9	.6										1.9	3.0
SW	1.9	3.2	2.6	.6								2.6	2.0
WSW	4.5	7.1	1.3	.6								8.4	5.7
W	7.1	6.5	3.2	.6								13.5	4.8
WNW	1.3	1.9										17.4	4.9
NW	1.9											3.2	3.4
NNW	.6											1.9	1.3
VARBL												.6	3.0
CALM												38.7	
	26.5	21.9	9.7	3.2								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.2										.7	2.0
NNE	.1	.1										.2	3.0
NE	.1											.1	2.0
ENE	.4	.2										.6	3.0
E	1.9	.4	.2									2.5	3.2
ESE	.8	1.2	.2	.1								2.3	4.8
SE	1.5	1.4	1.2	.2								4.3	5.5
SSE	1.4	1.7	2.1	.7	.2							6.0	6.9
S	1.1	1.9	.4									3.5	4.5
SSW	1.4	2.0	.2									3.5	3.9
SW	1.9	2.0	1.9	.1								5.9	5.1
WSW	3.2	5.7	2.3	.2								11.5	5.1
W	5.6	9.0	4.0	.4								19.0	5.1
WNW	3.0	7.8	.8	.1								11.7	4.3
NW	1.6	3.1	.6									5.2	4.3
NNW	1.5	1.6	.2									3.4	3.6
VARBL													
CALM												19.5	
	26.0	38.3	14.2	1.9	.2							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.R.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE	.7											.7	1.0
NE													
ENE	3.3	.7										4.0	2.7
E	12.0	4.7										16.7	2.9
ESE	2.7	.7	2.0									5.3	4.8
SE	1.3	2.0		.7	.7							4.7	7.0
SSE	2.0		1.3									3.3	4.4
S	1.3											1.3	2.5
SSW	2.0	.7										2.7	2.8
SW		1.3	.7									2.0	6.3
WSW	.7	1.3	.7	.7								2.7	7.3
W	2.7	.7	.7	.7								4.7	4.9
WNW	.7	.7										1.3	4.0
NW		.7										.7	6.0
NNW	2.0											2.0	2.3
VARBL													
CALM												46.7	
	32.7	13.3	4.7	2.0	.7							100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

 PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

 NAVAL WEATHER SERVICE
 DETACHMENT
 ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	3.3											3.3	2.6
E	10.7	4.7	.7									16.0	3.0
ESE	6.0	2.7										8.7	2.9
SE	2.0	1.3	1.3	.7								5.3	5.5
SSE	3.3	1.3	.7									5.3	3.8
S													
SSW	.7	.7										1.3	2.5
SW	1.3	.7	.7									2.7	4.0
WSW	2.7	.7	.7									4.0	3.7
W	.7	1.3	1.3	.7								4.0	7.2
WNW	.7											.7	3.0
NW	1.3	.7	.7									2.7	3.5
NNW													
VARBL													
CALM												46.0	
	32.7	14.0	6.0	1.3								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR...	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7											.7	1.0
NNE	.7											.7	1.0
NE													
ENE	.7	.7										1.3	3.0
E	7.4	2.7	.7									10.7	3.2
ESE	8.1	1.3	.7									10.1	3.1
SE	3.4	2.0	2.0									7.4	4.4
SSE	2.7	3.4	1.3									7.4	4.6
S	4.0	.7										4.7	2.4
SSW	.7											.7	3.0
SW	.7	.7	.7									2.0	4.3
WSW	.7	2.0	.7									3.4	5.2
W	3.4	1.3										4.7	2.6
WNW	1.3											1.3	1.5
NW	2.0											2.0	2.0
NNW	.7											.7	2.0
VARBL													
CALM												42.3	
	36.9	14.8	6.0									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

SEP
MONTH

10

HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.7									2.0	5.3
NNE													
NE													
ENE													
E		2.0											
ESE	2.0	2.0	1.3									2.0	4.7
SE		2.7		.7								5.3	5.5
SSE	.7	4.7	4.7	1.3	.7							3.3	5.8
S	.7	1.3	1.3									12.0	7.8
SSW	.7	.7										3.3	5.8
SW		2.0	1.3									1.3	3.0
WSW	1.3	5.3	.7									3.3	6.2
W	6.0	12.0	.7									7.3	5.0
WNW	5.3	16.0	.7									18.7	4.0
NW	4.7	6.7										22.0	4.2
NNW	2.7	.7										11.3	3.5
VARBL												3.3	2.8
CALM												4.7	
	24.0	57.3	11.3	2.0	.7							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

SEP
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0										2.7	4.3
NNE	.7											.7	2.0
NE													
ENE													
E													
ESE		.7		.7								1.3	9.0
SE		.7	2.7	1.3		.7						5.3	10.9
SSE		1.3	1.3	.7		.7						4.0	10.3
S		2.7	4.0									6.7	6.8
SSW		.7										.7	6.0
SW													
WSW		4.7	2.0									6.7	6.0
W	2.7	17.3	5.3									25.3	5.3
WNW	2.7	13.3	3.3									19.3	5.3
NW	.7	13.3	4.0									18.0	5.7
NNW	.7	6.7	.7									8.0	5.0
VARBL													
CALM												1.3	
	8.0	63.3	23.3	2.7		1.3						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE													
NE													
ENE													
E													
ESE		1.3											
SE	.7	2.7	1.3	.7	.7							1.3	4.5
SSE	.7	1.3	.7	1.3								6.0	7.2
S	.7	2.0										4.0	7.5
SSW		.7										2.7	3.8
SW	1.3	.7	.7									.7	6.0
WSW	1.3	5.3	1.3	.7								2.7	4.5
W	4.0	13.3	2.0	.7								8.7	5.6
WNW	4.7	19.3	2.0									20.0	4.7
NW	6.7	10.7	.7									26.0	4.6
NNW	1.3	4.7	1.3									18.0	4.0
VARBL												7.3	4.7
CALM												1.3	
	22.7	62.0	10.0	3.3	.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.0	2.0										8.0	2.6
NNE	.7	.7										1.3	3.0
NE													
ENE	1.3											1.3	2.0
E	2.7	1.3										4.0	2.8
ESE	.7	.7	2.0									2.7	7.0
SE	2.0	.7	1.3	.7	.7							4.0	6.8
SSE												1.3	10.0
S	1.3											1.3	2.5
SSW	.7											.7	3.0
SW	2.0		.7	.7								3.3	4.6
WSW	1.3	1.3	2.0									4.7	5.0
W	7.3	2.7	.7	.7								11.3	4.0
WNW	2.7											2.7	1.8
NW	11.3											11.3	1.8
NNW	6.7	.7										7.3	2.2
VARBL													
CALM												34.7	
	46.0	10.0	6.7	2.0	.7							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	4.7											4.7	1.9
E	10.7	2.7										13.3	2.6
ESE	3.3	1.3	.7									5.3	3.8
SE	1.3	1.3	1.3	.7								4.7	5.9
SSE		.7	.7		.7							2.0	10.0
S	1.3		.7									2.0	4.3
SSW	.7	.7										1.3	3.5
SW	2.0											2.0	2.7
WSW	.7	1.3		.7								2.7	7.3
W	2.7	.7	2.0	.7								6.0	5.9
WNW	4.7	1.3										6.0	3.3
NW		.7	.7									1.3	5.5
NNW	1.3											1.3	1.5
VARIABLE													
CALM												47.3	
	33.3	10.7	6.0	2.0	.7							100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

YEARS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.7	.1									2.0	3.1
NNE	.3	.1										.4	2.0
NE													
ENE	1.7	.2										1.8	2.4
E	5.4	2.3	.2									7.8	3.0
ESE	2.8	1.3	.8	.1								5.0	4.2
SE	1.3	1.7	1.1	.7	.3	.1						5.1	6.6
SSE	1.2	1.6	1.5	.4	.2	.1						4.9	6.8
S	1.2	.8	.8									2.8	4.6
SSW	.7	.5										1.2	3.4
SW	.9	.7	.6	.1								2.3	4.7
WSW	1.1	2.8	.9	.3								5.0	5.5
W	3.7	6.2	1.6	.4								11.8	4.7
WNW	2.8	6.3	.8									9.9	4.4
NW	3.3	4.1	.8									8.2	4.0
NNW	1.9	1.6	.3									3.8	3.6
VARBL													
CALM												28.0	
	29.5	30.7	9.3	1.9	.4	.2						100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

1199

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

OCT
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE													
NE													
ENE	.6											.6	2.0
E	18.1	2.6	1.9									22.6	2.7
ESE	5.2	5.2	3.2	.6								14.2	4.7
SE	3.2	1.3	3.2	1.9	.6							10.3	8.0
SSE	1.3	1.3	3.2	3.2	.6	.6						10.3	10.5
S	1.3	1.3			.6							3.2	6.6
SSW													
SW		1.3										1.3	4.0
WSW	.6	.6	.6	.6								2.6	7.3
W	1.3	1.3		.6								3.2	5.6
WNW	.6	1.9		.6								3.2	6.0
NW		.6										.6	6.0
NNW	1.3											1.3	2.0
VARBL													
CALM												25.8	
	34.2	17.4	12.3	7.7	1.9	.6						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

UCT
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.9											1.9	1.0
NE		1.3										1.3	4.5
ENE		6.5										27.1	2.6
E	20.6	3.9	2.6									11.0	4.7
ESE	4.5	3.9	1.9	3.2	.6	.6						12.9	8.4
SE	2.6	3.9	2.6	1.9	2.6							11.0	9.8
SSE	2.6	1.3	.6	.6								1.9	5.3
S	.6	.6	.6									.6	6.0
SSW		.6	.6									1.3	5.0
SW	.6	1.3	.6									2.6	4.3
WSW	.6	.6	.6	1.9	.6							3.2	11.6
W	.6	.6										1.9	3.0
WNW	1.3	.6	.6		.6							1.9	8.3
NW	.6	.6										1.9	3.0
NNW	1.3	.6										1.9	3.0
VARBL													
CALM												19.4	
	38.1	21.3	8.4	7.7	4.5	.6						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3											1.3	2.5
NNE	.6											.6	1.0
NE													
ENE	1.3											1.3	2.0
E	9.0	5.8	.6									15.5	3.3
ESE	5.8	4.3	2.6	.6								13.5	4.8
SE	2.6	2.6	6.5	2.6								14.2	7.9
SSE	.6		1.3	3.2	1.9							7.1	13.5
S	.6	2.6	.6	1.3	1.3							5.2	8.4
SSW	1.3											1.3	1.5
SW													
WSW													
W		1.3	.6	1.9								3.9	9.5
WNW				.6								.6	11.0
NW	.6	.6	.6									1.9	4.7
NNW	.6	.6										1.3	2.5
VARBL													
CALM												32.3	
	24.5	18.1	12.9	9.0	3.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLAM

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6										1.3	4.0
NNE	.6											.6	2.0
NE													
ENE	.6											.6	1.0
E	2.6	3.2										5.8	3.7
ESE	5.8	5.2	.6									11.6	3.8
SE	1.3	2.6	5.8	7.1	.6							17.4	9.8
SSE	3.2	5.2	2.6	3.9	1.9							16.8	8.7
S	1.9	2.6		1.3								5.8	6.0
SSW	.6			.6								1.3	7.5
SW	.6		.6									1.3	5.0
WSW	1.3		.6	.6								2.6	5.8
W	2.6	3.2	.6			.6						7.1	5.5
WNW	1.9	2.6	.6									5.2	4.9
NW	4.5	3.9	.6									9.0	3.6
NNW	1.9	1.3	1.9	.6								5.8	5.7
VARBL													
CALM												7.7	
	30.3	30.3	14.2	14.2	2.6	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

OCT

MONTH

ALL WEATHER
CLASS

13

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.0
NNE	.6											.6	1.0
NE													
ENE													
E		1.3										1.3	5.0
ESE	3.2	2.6	1.3									7.1	4.5
SE	.6	1.9	4.5	2.6	.6							10.3	9.6
SSE	1.3	1.9	2.6	3.2	2.6	1.3						12.9	11.7
S	1.9	.6	1.9	1.9	1.3							7.7	9.2
SSW	1.3		.6									1.9	5.3
SW	.6											.6	3.0
WSW	1.3	3.2	3.2									7.7	5.6
W	3.9	4.5	1.9	1.3								11.6	5.8
WNW	3.2	9.0	3.2	.6								16.1	5.5
NW	1.9	6.5	1.9									10.3	5.0
NNW	.6	5.2	1.9	.6								8.4	6.2
VARBL													
CALM												1.9	
	20.6	37.4	23.9	10.3	4.5	1.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24253
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

OCT

STATION NAME

ALL WEATHER
CLASS

MONTH

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	5.0
NNE	.6											.6	2.0
NE													
ENE													
E	1.9	2.6	.6									5.2	4.1
ESE	2.6	1.3	1.3									5.2	4.3
SE	1.9	3.2	4.5	1.3								11.0	7.0
SSE	1.3	1.9	1.9	4.5	1.3							11.0	11.0
S	.6	.6	1.3			.6						3.2	9.4
SSW													
SW	1.3		.6									1.9	4.7
WSW	.6	1.9	1.3	.6								4.5	6.9
W	9.0	7.1	1.9	2.6		.6						21.3	5.5
WNW	5.8	6.5	1.3									13.5	4.1
NW	3.9	3.2	.6	.6								6.4	4.8
NNW	2.6	2.6	.6									5.8	4.3
VARBL													
CALM												7.1	
	32.3	32.3	16.1	9.7	1.3	1.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.6										1.9	3.0
NNE													
NE	.6											.6	1.0
ENE	1.3											1.3	2.0
E	10.3	1.3	.6									12.3	2.8
ESE	5.2	2.6	1.3	.6								9.7	4.1
SE	3.9	1.3	3.2	2.6	.6							11.6	8.0
SSE		.6	2.6	3.2	1.3							7.7	12.3
S	1.3			1.9								3.2	8.0
SSW													
SW	.6	.6										1.3	4.0
WSW		.6										.6	4.0
W	1.3	1.3	2.6	3.2								8.4	8.8
WNW	.6											.6	2.0
NW	1.9	.6	.6	.6								3.9	5.8
NNW	1.9	.6	.6									3.2	3.6
VARBL													
CALM												33.5	
	30.3	10.3	11.6	12.3	1.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

ALL WEATHER

CLASS

YEARS

DCT

NORTH

22

MOVES (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	1.3											1.3	2.0
E	12.9	5.8	.6									19.4	2.8
ESE	9.7	4.5	2.6	.6								17.4	4.2
SE	.6	3.2	3.2	4.5								11.6	8.8
SSE	1.3	1.3	.6	1.3	.6	.6						5.8	10.2
S	1.3	.6	.6	1.3								3.9	8.7
SSW													
SW	1.3											1.3	2.0
WSW		1.3	.6									1.9	5.0
W	1.3	1.9	1.3		.6							5.2	7.0
WNW		1.9	1.3		.6							3.9	7.7
NW			.6									.6	10.0
NNW	1.3											1.3	1.0
VABL													
CALM												26.5	
	31.0	20.6	11.6	7.7	1.9	.6						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

OCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.1									1.0	4.0
NNE	.3											.3	1.5
NIE	.3											.3	1.0
ENE	.6	.2										.8	2.4
E	9.4	3.6	.6									13.6	2.9
ESE	5.2	3.7	1.9	.3								11.2	4.4
SE	2.1	2.5	4.1	3.2	.4	.1						12.4	8.5
SSE	1.5	1.7	2.2	3.1	1.6	.3						10.3	10.7
S	1.2	1.1	.6	.9	.4	.1						4.3	7.9
SSW	.4	.1	.1	.1								.6	5.0
SW	.6	.2	.2									1.1	4.1
WSW	.6	1.1	.9	.2								2.8	5.8
W	2.5	2.6	1.1	1.5	.2	.2						8.0	6.7
WNW	1.7	2.8	.6	.2	.1							5.6	5.2
NW	1.7	2.0	.6	.2	.1							4.6	5.0
NNW	1.5	1.4	.6	.2								3.6	4.6
VARBL													
CALM												19.3	
	30.2	23.5	13.9	9.8	2.7	.6						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

1240

2
NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.3										5.3	2.6
NNE	2.7	.7	.7									4.0	3.3
NE	1.3											1.3	2.0
ENE	.7	.7										1.3	3.0
E	9.3	9.3	4.0									22.7	4.4
ESE	2.7	2.7	1.3	2.7								9.3	7.0
SE	1.3	1.3	4.0	3.3	1.3							11.3	9.8
SSE	.7	.7	2.0	6.7	3.3	1.3						14.0	14.8
S	.7	.7	2.0	2.0	.7							6.0	10.2
SSW		.7		.7								1.3	8.5
SW												.7	6.0
WSW		.7		1.3	2.0							3.3	17.4
W				1.3								1.3	11.0
WNW													
NW													
NNW	.7	.7		.7								2.0	6.3
VARBL													
CALM												16.0	
	23.3	19.3	14.0	18.7	7.3	1.3						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

04
MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	1.3									4.0	5.3
NNE	1.3	.7										2.0	2.7
NE													
ENE	1.3	1.3										2.7	3.3
E	11.3	8.0	2.0									21.3	3.9
ESE	2.0	6.0	5.3									13.3	5.9
SE		1.3	4.0	3.3								8.7	10.0
SSE	1.3	.7	2.7	5.3	3.3							13.3	13.2
S	.7		2.0	2.7								5.3	10.0
SSW	.7		.7									1.3	5.0
SW	.7											.7	2.0
WSW			.7									.7	10.0
W	.7			1.3	2.0							4.0	13.7
WNW				.7	.7							1.3	17.0
NW			1.3									1.3	8.5
NNW			.7									.7	10.0
VARBL													
CALM												19.3	
	22.0	18.7	20.7	13.3	6.0							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER

CLASS

07

MOUSE (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	1.3	.7								2.7	10.0
NNE	1.3											1.3	1.5
NE	.7	.7										1.3	3.5
ENE	2.7	.7										3.3	2.4
E	8.0	6.7	2.0									16.7	4.2
ESE	6.0	4.7	4.7	4.0								19.3	6.7
SE	2.0	3.3	4.7	2.7		.7						13.3	8.7
SSE	2.0	2.0	2.0	4.7	2.7							11.3	12.8
S	.7	.7	.7	2.0	1.3							5.3	10.9
SSW													
SW													
WSW													
W				2.0	1.3								
WNW	1.3		1.3	2.7								3.3	16.6
NW												5.3	9.5
NNW	.7											.7	1.0
VARBL													
CALM												16.0	
	23.3	19.3	16.7	18.7	5.3	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

73-77

YEARS

NDV
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.7									3.3	7.2
NNE			.7									.7	8.0
NE	.7											.7	2.0
ENE	1.3											1.3	2.0
E	3.3	7.3	3.3									14.0	4.8
ESE	2.7	4.7	3.3	2.0								12.7	6.2
SE	4.0	4.7	2.7	7.3	.7							19.3	8.9
SSE	2.0	2.0	2.0	6.0	3.3							15.3	11.6
S		.7	2.0	2.7	.7							6.0	11.6
SSW													
SW		.7										.7	4.0
WSW		.7	.7	.7								2.0	10.0
W	.7	1.3	1.3	2.0	1.3							6.7	10.3
WNW	.7	.7										1.3	2.5
NW	2.0	1.3	1.3									4.7	4.7
NNW	1.3	.7	.7	.7								3.3	5.8
VARBL													
CALM												8.0	
	18.7	25.3	20.7	21.3	6.0							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.7									2.7	5.5
NNE	.7											.7	1.0
NE													
ENE	1.3	.7										2.0	3.0
E	3.3	7.3										10.7	4.1
ESE	2.7	7.3	6.0	.7								17.3	6.5
SE	.7	1.3	3.3	4.0								9.3	9.8
SSE	.7	2.7	4.0	9.3	2.7	1.3						20.7	12.8
S		1.3		2.0	1.3	.7						5.3	13.6
SSW													
SW	.7	.7	2.7									4.0	7.0
WSW	.7	.7	.7	2.7	2.0	.7						7.3	13.7
WNW	3.3	2.7		.7								6.7	4.6
NW	1.3	2.7	.7									4.7	5.1
NNW	2.0	1.3	1.3	1.3								6.0	6.9
VARBL													
CALM												2.7	
	18.0	30.0	19.3	20.7	6.7	2.7						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

NOV
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.0	.7									4.7	4.6
NNE	1.3											1.3	1.5
NE													
ENE	1.3											1.3	2.0
E	5.3	2.0	1.3									8.7	3.2
ESE	5.3	5.3	2.0	1.3		.7						14.7	6.2
SE		2.0	2.0	6.0	.7							10.7	11.3
SSE	.7	2.7	.7	5.3	1.3	1.3						12.0	12.9
S	.7	2.7	1.3			1.3						6.0	9.6
SSW		.7										.7	6.0
SW		.7										.7	6.0
WSW		.7	1.3	1.3								3.3	10.0
W	2.7	2.0	2.0	3.3	.7							10.7	8.8
WNW	1.3	1.3	1.3	.7	.7							5.3	8.4
NW	2.0	.7	.7	.7								3.3	4.8
NNW	2.0	3.3	.7	.7								6.7	4.4
VARBL													
CALM												10.0	
	24.7	26.0	13.3	19.3	3.3	3.3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	5.0
NNE		.7										.7	4.0
NE	.7											.7	1.0
ENE	1.3	.7										2.0	3.7
E	8.7	6.0	1.3									16.0	3.7
ESE	2.7	4.0	2.7	.7								10.0	5.7
SE	1.3	2.7	3.3	3.3	2.0	.7						13.3	10.8
SSE		2.0	4.0	7.3	2.7							16.0	12.3
S	.7	.7	.7	.7	.7							3.3	9.6
SSW													
SW			.7									.7	8.0
WSW		1.3	.7	.7								2.7	7.0
W		1.3	1.3	1.3	1.3							5.3	11.5
WNW	.7			.7								1.3	8.5
NW	.7		.7									1.3	6.0
NNW		1.3										1.3	5.5
VARBL													
CALM												24.0	
	16.7	22.0	15.3	14.7	6.7	.7						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

NOV

YEARS

ALL WEATHER

22

HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.7										2.0	5.0
NNE	.7	1.3										2.0	3.7
NE	1.3											1.3	2.0
ENE	1.3	.7										2.7	4.3
E	8.0	7.3	2.7									18.0	4.1
ESE	3.3	4.7	2.7	.7								12.0	5.9
SE	1.3	3.3	4.0	4.7								13.3	9.3
SSE	2.0	2.7	6.0	4.7	.7							16.0	14.2
S	.7	.7	.7	.7	.7							4.0	11.8
SSW	.7		.7									1.3	6.0
SW		.7										.7	6.0
WSW				1.3	.7							2.0	15.3
W	.7		1.3	.7								2.7	8.3
WNW			.7									1.3	10.0
NW	.7	.7										1.3	3.5
NNW													
VARIABLE													
CALM												19.3	
	20.0	21.3	16.7	14.7	6.7	1.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

NOV
MONTH

ALL WEATHER

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	.9	.1								3.2	5.3
NNE	1.0	.4	.2									1.6	3.1
NE	.6	.1										.7	2.3
ENE	1.4	.6	.1									2.1	3.0
E	7.2	6.7	2.1									16.0	4.1
ESE	3.4	4.9	3.5	1.5	.2	.1						13.6	6.3
SE	1.3	2.5	3.5	4.3	.6	.2						12.4	9.7
SSE	.6	1.8	2.5	6.3	3.0	.6						14.8	13.0
S	.5	.9	1.2	1.6	.7	.3						5.2	10.9
SSW	.2	.2	.2	.1								.6	6.4
SW	.1	.2	.1									.3	5.0
WSW	.1	.6	.7	.3								1.7	8.2
W	.6	.7	.7	1.9	1.4	.1						5.3	12.3
WNW	1.0	.6	.5	.9	.2							3.2	7.9
NW	.7	.6	.6	.2								2.1	5.7
NNW	.9	1.0	.4	.4								2.7	5.5
VARBL													
CALM												14.4	
	20.8	22.7	17.1	17.7	6.0	1.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

DEC
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	4.3
NNE	1.3											1.3	2.5
NE													
ENE	.6		.6									1.3	5.5
E	6.5	9.7	1.9									18.1	4.2
ESE	5.2	8.4	3.9	1.3								18.7	5.2
SE	1.3	4.3	3.9	3.9	.6	.6						14.8	9.5
SSE	.6	1.3	3.2	5.2	2.6							12.9	11.9
S	1.3		.6									1.9	5.0
SSW													
SW	.6		.6	.6								1.9	7.7
WSW		.6	.6									1.3	7.0
W		.6	1.9		.6	1.9						5.2	14.9
WNW				1.3		.6						1.9	17.3
NW		.6		.6								1.3	8.5
NNW			.6									.6	10.0
VARBL													
CALM												16.8	
	18.1	27.1	18.1	12.9	3.9	3.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255

WHIOBEY ISLAND, WASHINGTON

73-77

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

04

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE	.6		.6									1.3	6.5
NE													
ENE	.6											.6	2.0
E	7.7	9.0	5.2									21.9	4.7
ESE	7.1	8.4	2.6	2.6								20.6	5.2
SE	2.6	5.2	5.2	3.9	1.9	.6						19.4	9.3
SSE			1.9	1.9	1.9	1.3						7.1	15.0
S	.6	1.3	1.3	1.3								4.5	7.7
SSW													
SW		.6										.6	6.0
WSW													
W				3.2	1.3	1.3						5.8	16.2
WNW	1.3		.6	1.3		.6						3.9	10.5
NW			.6									.6	10.0
NNW				.6								.6	12.0
VARBL													
CALM												12.3	
	21.3	24.5	16.1	14.8	5.2	3.9						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

DEC
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									3.2	4.4
NNE													
NE													
ENE	3.2	2.6										5.8	3.3
E	7.7	6.5	5.2									19.4	4.6
ESE	6.5	9.7	3.9		.6							21.9	5.5
SE	1.3	2.6	6.5	1.3	1.3							16.1	10.0
SSE		2.6	1.3	1.3	.6	.6						6.5	11.0
S		.6		1.9	.6							3.2	12.8
SSW													
SW							.6					.6	30.0
WSW				.6	.6							1.3	15.0
W			.6	4.5		.6						5.8	15.4
WNW				.6		.6						1.3	20.0
NW	.6	.6										.6	6.0
NNW												.6	3.0
VARBL													
CALM												13.5	
	20.6	26.5	18.1	14.8	3.9	1.9	.6					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLAS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.3										1.9	4.3
NNE	.6	.6										1.3	3.5
NE		.6										.6	6.0
ENE	1.9	.6										2.6	3.0
E	7.1	5.2	3.2									13.5	4.3
ESE	5.2	5.8	2.6	1.3								14.8	5.3
SE	3.2	3.2	8.4	7.1	1.3							23.2	9.2
SSE	3.9	1.3	2.6	4.5	1.3	.6						14.2	10.3
S		.6	.6	.6	.6							2.6	11.0
SSW	.6											.6	2.0
SW													
WSW				.6								.6	14.0
W		.6		5.2	3.2	.6						9.7	14.9
WNW				.6								.6	14.0
NW													
NNW			.6									.6	7.0
VARBL													
CALM												11.0	
	23.2	20.0	18.1	20.0	6.5	1.3						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.3									2.6	6.5
NNE	1.3	1.9										3.2	3.8
NE		.6										.6	6.0
ENE													
E	3.2	3.9	1.3									8.4	4.4
ESE	5.2	9.7	4.5	1.9	.6							21.9	6.3
SE	3.2	2.6	5.8	3.9	1.9							17.4	9.1
SSE	.6	2.6	4.5	5.8	1.3	1.9						16.8	11.8
S	1.3	1.3	.6		.6							3.9	7.0
SSW	.6		.6									1.3	6.5
SW	.6	1.3										1.9	4.0
WSW		.6		.6								1.3	9.0
W	1.3	1.3	1.3	4.5	1.3							9.7	11.0
WNW	1.9		.6	1.9								4.5	8.4
NW			.6									.6	10.0
NNW	1.3	1.3										2.6	3.8
VARBL													
CALM												3.2	
	21.3	27.7	21.3	18.7	5.8	1.9						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	.6										3.9	2.5
NNE	1.3	.6	.6									2.6	4.5
NE	1.3											1.3	2.5
ENE	.6											.6	2.0
E	9.0	5.8	3.9									18.7	4.3
ESE	5.8	3.9	2.6	.6								12.9	5.2
SE	1.9	3.9	4.5	4.5	2.6	.6						18.1	10.0
SSE	.6		1.9	1.9	1.3							5.8	11.2
S	.6		.6		1.3	1.3						3.9	16.2
SSW		.6										.6	5.0
SW			.6									.6	8.0
WSW			1.3	1.9								3.2	11.2
W	.6	1.3	2.6	1.9	.6	1.3						8.4	11.5
WNW		.6	2.6	.6								3.9	8.2
NW	1.3		.6									1.9	3.7
NNW		1.3		.6								1.9	6.7
VARBL													
CALM												11.6	
	26.5	18.7	21.9	12.3	5.8	3.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.9										2.6	3.6
NNE	.6											.6	2.0
NE													
ENE		.6	1.3									1.9	6.7
E	8.4	6.5	1.9	1.3								18.1	4.3
ESE	3.9	5.8	4.5									14.2	5.3
SE	.6	3.2	3.9	7.1								14.8	10.3
SSE	1.9		2.6	5.8	.6	1.9						12.9	12.6
S	1.3	.6	1.3	.6								3.9	7.0
SSW	.6	.6										1.3	3.0
SW	.6											.6	1.0
WSW		.6		.6								1.3	9.0
W		1.3	.6	1.9	1.9	1.3						7.1	15.0
WNW		1.3	.6	.6								2.6	7.8
NW		.6										.6	4.0
NNW			.6									.6	10.0
VARBL													
CALA												16.8	
	18.7	23.2	17.4	18.1	2.6	3.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24259
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

DEC
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE													
NE	1.3											1.3	1.3
ENE	.6											1.3	3.0
E	8.4	9.0	1.9									19.4	4.3
ESE	4.5	6.5	5.8	.6								17.4	5.5
SE	2.6	1.3	3.2	7.1	.6							14.8	10.4
SSE	.6	2.6	1.3	3.9	2.6							11.0	11.5
S	.6		1.3	1.9	1.3							5.2	12.1
SSW													
SW		.6	.6									.6	7.0
WSW	.6		1.3	1.9	1.9	.6						1.9	6.3
W			.6	1.9								5.8	15.8
WNW				.6								2.6	12.8
NW		.6		.6								1.3	9.0
NNW				1.3								1.3	12.0
VABL													
CALM												15.5	
	19.4	21.9	16.1	20.0	6.5	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

73-77

YEARS

DEC

MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	.2									2.2	4.2
NNE	.7	.4	.2									1.3	4.0
NE	.3	.2										.5	3.3
ENE	1.0	.6	.2									1.8	3.8
E	7.3	6.9	3.1	.2								17.4	4.4
ESE	5.4	7.3	3.8	1.2	.2							17.8	5.5
SE	2.1	3.3	5.2	5.2	1.3	.2						17.3	9.7
SSE	1.0	1.3	2.4	3.8	1.5	.8						10.9	11.8
S	.7	.6	.8	.8	.6	.2						3.6	10.1
SSW	.2	.2	.1				.1					.5	4.3
SW	.2	.2	.2	.1								.9	7.9
WSW	.1	.3	.2	.6	.1							1.4	9.9
W	.2	.6	1.0	2.9	1.4	1.0						7.2	14.0
WNW	.4	.2	.6	1.1		.2						2.7	10.9
NW	.2	.3	.2	.2								.9	6.9
NNW	.2	.3	.2	.3								1.1	7.2
VARBL													
CALM												12.6	
	21.1	23.7	18.6	16.5	5.0	2.4	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATISTICAL NAME

YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.7	.3	.1	.0							1.9	4.6
NNE	.3	.2	.1	.0								.5	3.7
NE	.2	.1	.0									.3	3.1
ENE	.8	.4	.1									1.3	3.3
E	4.9	3.4	1.1	.1	.0		.0					9.5	3.9
ESE	2.8	3.3	1.8	.6	.1	.0						8.6	5.4
SE	1.4	2.0	2.7	2.3	.6	.1	.0					9.1	9.0
SSE	.9	1.6	2.3	2.6	1.1	.3	.0					8.9	10.7
S	1.0	1.1	1.2	1.0	.4	.1						4.8	8.4
SSW	.6	.7	.2	.1	.0		.0					1.6	4.8
SW	.6	.9	.7	.0		.0	.0					2.3	5.5
WSW	1.1	2.4	1.6	.4	.0							5.5	6.2
W	2.5	5.3	3.4	1.8	.6	.2	.0					13.8	7.3
WNW	1.8	4.1	1.3	.9	.3	.1						8.4	6.4
NW	1.2	2.2	.7	.2	.0	.0						4.4	5.2
NNW	1.0	1.2	.6	.2	.0							3.0	5.2
VARBL													
CALM												16.2	
	22.0	29.5	18.0	10.3	3.0	.9	.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

14607

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24255
STATION

WHIOBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

ALL
MONTH

INSTRUMENT

CLASS

ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

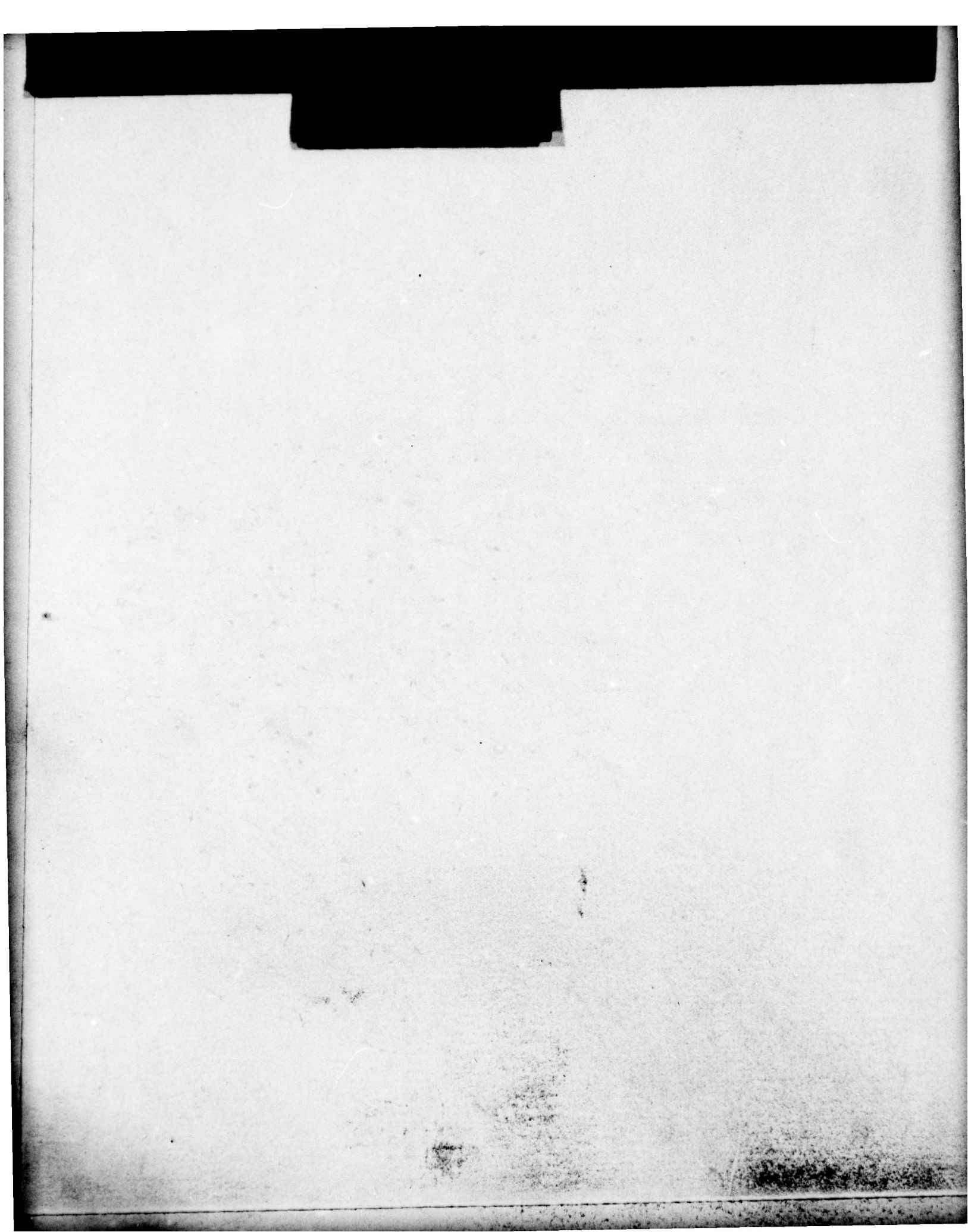
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.5	.1									1.5	3.1
NNE	.4	.1										.5	2.3
NE	.3	.1										.4	3.2
ENE	.3	.4										.7	3.8
E	4.5	2.6	1.7	.1								8.9	4.1
ESE	4.5	4.7	2.9	1.0	.1	.1						13.3	5.4
SE	2.3	3.2	4.5	3.3	.9	.1						14.2	8.7
SSE	1.7	3.4	2.6	3.3	1.3	.6						12.9	9.8
S	1.5	1.9	1.1	1.6	.8							6.9	8.3
SSW	.9	1.3	.4	.1								2.6	4.7
SW	.8	1.3	.5									2.6	4.8
WSW	1.9	3.0	.9	.3								6.1	4.7
W	2.0	3.2	1.0	.1	.2	.1	.1					6.7	5.7
WNW	1.7	1.8	.1	.2								3.8	4.3
NW	1.3	.7	.3	.2								2.5	4.4
NNW	1.2	.5	.1	.2								2.0	4.0
VARBL													
CALM												14.5	
	26.2	28.7	16.1	10.4	3.3	.8	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

1500



NWSD, Federal Building
Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING												≥ 0
≥ 1800												
≥ 1500					91.0							92.6
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500									97.4			98.1
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0					95.4		96.9		98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	8
8	9
	10

(or obscured)

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	8.4	25.9	23.9	25.2	25.2	25.2	25.8	25.8	25.8	26.5	27.1	27.1	27.1	27.1	27.7
≥ 20000	9.7	25.8	25.8	27.1	27.1	27.1	27.7	27.7	27.7	28.4	29.0	29.0	29.0	29.0	29.7
≥ 18000	9.7	25.8	25.8	27.1	27.1	27.1	27.7	27.7	27.7	28.4	29.0	29.0	29.0	29.0	29.7
≥ 16000	9.7	25.8	25.8	27.1	27.1	27.1	27.7	27.7	27.7	28.4	29.0	29.0	29.0	29.0	29.7
≥ 14000	9.7	25.8	25.8	27.1	27.1	27.1	27.7	27.7	27.7	28.4	29.0	29.0	29.0	29.0	29.7
≥ 12000	9.7	26.5	26.5	27.7	27.7	27.7	28.4	28.4	28.4	29.0	29.7	29.7	29.7	29.7	30.3
≥ 10000	10.3	31.0	31.0	32.3	32.3	32.3	32.9	32.9	32.9	33.6	34.2	34.2	34.2	34.2	34.8
≥ 9000	10.3	31.0	31.0	32.3	32.3	32.3	32.9	32.9	32.9	33.6	34.2	34.2	34.2	34.2	34.8
≥ 8000	11.0	36.8	36.8	38.1	38.1	38.1	38.7	38.7	38.7	39.4	40.0	40.0	40.0	40.0	40.7
≥ 7000	11.0	36.8	36.8	38.1	38.1	38.1	38.7	38.7	38.7	39.4	40.0	40.0	40.0	40.0	40.7
≥ 6000	11.0	38.1	38.1	39.4	39.4	39.4	40.0	40.0	40.0	40.7	41.3	41.3	41.3	41.3	41.9
≥ 5000	11.0	41.3	41.3	42.6	42.6	42.6	43.2	43.2	43.2	43.9	44.5	44.5	44.5	44.5	45.2
≥ 4500	11.0	43.2	43.2	44.5	44.5	44.5	45.2	45.2	45.2	45.8	46.5	46.5	46.5	46.5	47.1
≥ 4000	11.6	49.0	49.7	51.0	51.0	51.0	51.6	51.6	51.6	52.3	52.9	52.9	52.9	52.9	53.6
≥ 3500	11.6	51.0	51.6	52.9	52.9	52.9	53.6	53.6	53.6	54.2	54.8	54.8	54.8	54.8	55.5
≥ 3000	11.6	57.4	58.1	60.0	60.0	60.0	60.7	60.7	60.7	61.3	61.9	61.9	61.9	61.9	62.6
≥ 2500	11.6	59.4	60.0	62.6	62.6	62.6	63.2	63.2	63.2	63.9	64.5	64.5	64.5	64.5	65.2
≥ 2000	11.6	66.5	67.1	69.7	69.7	69.7	71.0	71.0	71.0	71.6	72.3	72.3	72.3	72.3	73.0
≥ 1800	11.6	67.7	68.4	71.0	71.0	71.0	72.3	72.3	72.3	72.9	73.6	73.6	73.6	73.6	74.2
≥ 1500	11.6	71.6	72.9	75.5	75.5	75.5	76.8	76.8	76.8	77.4	78.1	78.1	78.1	78.1	78.7
≥ 1200	11.6	76.8	78.7	81.9	81.9	81.9	83.2	83.2	83.2	83.9	84.5	84.5	84.5	84.5	85.2
≥ 1000	11.6	79.4	81.3	84.5	84.5	84.5	85.8	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.7
≥ 900	11.6	80.0	82.6	85.8	85.8	85.8	87.1	87.1	87.1	87.7	88.4	88.4	88.4	88.4	89.0
≥ 800	11.6	80.7	83.2	86.5	86.5	86.5	88.4	88.4	88.4	89.0	89.7	89.7	89.7	89.7	90.3
≥ 700	11.6	82.6	85.2	88.4	88.4	88.4	90.3	90.3	90.3	91.0	91.6	91.6	91.6	91.6	92.3
≥ 600	11.6	83.2	85.8	89.0	89.0	89.0	91.0	91.0	91.0	91.6	92.3	92.3	92.3	92.3	92.9
≥ 500	11.6	83.2	85.8	90.3	90.3	90.3	92.3	92.3	92.3	92.9	93.6	93.6	93.6	93.6	94.2
≥ 400	11.6	83.2	85.8	90.3	91.0	91.0	93.6	93.6	93.6	94.2	94.8	94.8	94.8	94.8	95.5
≥ 300	11.6	83.9	86.5	91.0	92.3	92.3	95.5	95.5	95.5	96.1	96.8	96.8	96.8	96.8	97.4
≥ 200	11.6	83.9	86.5	91.0	92.3	92.3	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.7
≥ 100	11.6	83.9	86.5	91.0	92.3	92.3	95.5	95.5	95.5	96.8	97.4	97.4	97.4	97.4	98.7
≥ 0	11.6	83.9	86.5	91.0	92.3	92.3	95.5	95.5	95.5	96.8	97.4	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

JAN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	7.1	20.7	21.3	21.9	21.9	22.6	23.2	23.2	23.2	23.9	23.9	23.9	23.9
≥ 20000	7.1	22.6	23.2	23.9	23.9	24.5	25.2	25.2	25.2	26.5	26.5	26.5	26.5
≥ 18000	7.1	22.6	23.2	23.9	23.9	24.5	25.2	25.2	25.2	26.5	26.5	26.5	26.5
≥ 16000	7.1	22.6	23.2	23.9	23.9	24.5	25.2	25.2	25.2	26.5	26.5	26.5	26.5
≥ 14000	7.7	23.2	23.9	24.5	24.5	25.2	25.8	25.8	25.8	27.1	27.1	27.1	27.1
≥ 12000	7.7	24.5	25.2	25.8	25.8	26.5	27.1	27.1	27.1	28.4	28.4	28.4	28.4
≥ 10000	9.0	29.0	29.7	30.3	30.3	31.0	31.6	31.6	31.6	32.9	32.9	32.9	32.9
≥ 9000	9.7	29.7	30.3	31.0	31.0	31.6	32.3	32.3	32.3	33.6	33.6	33.6	33.6
≥ 8000	10.3	32.3	32.9	33.6	33.6	34.2	34.8	34.8	34.8	36.1	36.1	36.1	36.1
≥ 7000	10.3	32.3	32.9	33.6	33.6	34.2	34.8	34.8	34.8	36.1	36.1	36.1	36.1
≥ 6000	10.3	33.6	34.2	34.8	34.8	35.5	36.1	36.1	36.1	37.4	37.4	37.4	37.4
≥ 5000	10.3	38.1	39.4	40.0	40.0	40.7	41.3	41.3	41.3	42.6	42.6	42.6	42.6
≥ 4500	10.3	38.1	39.4	40.0	40.0	40.7	41.3	41.3	41.3	42.6	42.6	42.6	42.6
≥ 4000	10.3	41.9	43.9	44.5	44.5	45.2	45.8	45.8	45.8	47.1	47.1	47.1	47.1
≥ 3500	10.3	45.2	47.1	47.7	47.7	48.4	49.0	49.0	49.0	50.3	50.3	50.3	50.3
≥ 3000	10.3	51.0	53.6	54.2	54.2	54.8	55.5	55.5	55.5	56.8	56.8	56.8	56.8
≥ 2500	10.3	54.2	56.8	57.4	57.4	58.1	58.7	58.7	58.7	60.0	60.0	60.0	60.0
≥ 2000	10.3	61.3	63.9	64.5	64.5	65.2	65.8	65.8	65.8	67.1	67.1	67.1	67.1
≥ 1800	10.3	63.9	66.5	67.1	67.1	67.7	68.4	68.4	68.4	69.7	69.7	69.7	69.7
≥ 1500	11.0	67.1	70.3	71.0	71.0	72.3	72.9	72.9	72.9	74.2	74.2	74.2	74.2
≥ 1200	11.0	72.9	76.1	76.8	76.8	78.1	78.7	78.7	78.7	80.0	80.0	80.0	80.0
≥ 1000	11.0	76.1	80.0	80.7	81.3	82.6	83.2	83.2	83.2	84.5	84.5	84.5	84.5
≥ 900	11.0	76.1	80.0	80.7	81.3	82.6	83.2	83.2	83.2	84.5	84.5	84.5	84.5
≥ 800	11.0	76.8	80.7	81.3	82.6	83.9	84.5	84.5	84.5	85.8	85.8	85.8	85.8
≥ 700	11.0	78.7	82.6	83.2	84.5	85.8	87.1	87.1	87.1	88.4	88.4	88.4	88.4
≥ 600	11.0	78.7	82.6	83.9	85.2	86.5	87.7	87.7	87.7	89.0	89.0	89.0	89.0
≥ 500	11.0	79.4	83.2	85.2	87.7	89.0	90.3	90.3	90.3	91.6	91.6	91.6	91.6
≥ 400	11.0	80.0	83.9	85.8	89.0	90.3	91.6	91.6	91.6	94.2	94.2	94.2	94.2
≥ 300	11.0	80.0	84.5	86.5	90.3	91.6	93.6	93.6	93.6	96.1	96.1	96.1	96.1
≥ 200	11.0	80.0	84.5	86.5	90.3	91.6	93.6	94.2	94.2	96.8	96.8	96.8	96.8
≥ 100	11.0	80.0	84.5	86.5	90.3	91.6	93.6	94.2	94.2	96.8	96.8	96.8	96.8
0	11.0	80.0	84.5	86.5	90.3	91.6	93.6	94.2	94.2	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JAN
MONTH

07

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7.7	14.8	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
≥ 20000	7.7	18.1	18.7	18.7	18.7	18.7	18.7	19.4	19.4	19.4	19.4	19.4
≥ 18000	7.7	18.1	18.7	18.7	18.7	18.7	18.7	19.4	19.4	19.4	19.4	19.4
≥ 16000	7.7	18.1	18.7	18.7	18.7	18.7	18.7	19.4	19.4	19.4	19.4	19.4
≥ 14000	7.7	18.7	19.4	19.4	19.4	19.4	19.4	20.0	20.0	20.0	20.0	20.0
≥ 12000	9.0	21.3	21.9	21.9	21.9	21.9	21.9	22.6	22.6	22.6	22.6	22.6
≥ 10000	11.6	27.1	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4
≥ 9000	11.6	27.1	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4
≥ 8000	12.3	31.6	32.3	32.3	32.3	32.3	32.3	32.9	32.9	32.9	32.9	32.9
≥ 7000	12.3	32.3	32.9	32.9	32.9	32.9	32.9	33.6	33.6	33.6	33.6	33.6
≥ 6000	12.3	34.2	34.8	34.8	34.8	34.8	34.8	35.5	35.5	35.5	35.5	35.5
≥ 5000	12.9	38.1	38.7	38.7	38.7	38.7	38.7	39.4	39.4	39.4	39.4	39.4
≥ 4500	12.9	40.0	40.7	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3
≥ 4000	12.9	43.2	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5
≥ 3500	12.9	43.2	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5
≥ 3000	12.9	49.0	49.7	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0
≥ 2500	13.6	55.5	56.1	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4
≥ 2000	14.8	65.8	66.5	67.1	67.1	67.1	67.1	68.4	68.4	68.4	68.4	68.4
≥ 1800	14.8	67.1	67.7	68.4	68.4	68.4	68.4	69.7	69.7	69.7	69.7	69.7
≥ 1500	14.8	71.0	71.6	72.3	72.3	72.3	72.3	73.6	73.6	73.6	73.6	73.6
≥ 1200	14.8	76.8	77.4	78.1	78.1	78.1	78.1	80.0	80.0	80.0	80.0	80.0
≥ 1000	15.5	80.7	81.9	82.6	82.6	82.6	82.6	84.5	84.5	84.5	84.5	84.5
≥ 900	15.5	80.7	82.6	83.2	83.2	83.2	83.2	85.2	85.2	85.2	85.2	85.2
≥ 800	15.5	82.6	84.5	85.2	85.2	85.2	85.2	87.1	87.1	87.1	87.1	87.1
≥ 700	15.5	83.9	85.8	86.5	86.5	86.5	86.5	89.0	89.0	89.0	89.0	89.0
≥ 600	15.5	83.9	85.8	86.5	86.5	86.5	86.5	89.0	89.0	89.0	89.0	89.0
≥ 500	15.5	83.9	86.5	87.7	89.0	89.7	89.7	91.6	92.3	92.3	92.3	92.3
≥ 400	15.5	83.9	86.5	87.7	89.0	89.7	89.7	91.6	92.3	92.3	92.3	92.3
≥ 300	15.5	83.9	86.5	87.7	89.0	89.7	89.7	91.6	92.3	92.3	92.3	92.3
≥ 200	15.5	83.9	86.5	87.7	89.0	89.7	89.7	92.3	93.6	94.2	94.2	94.2
≥ 100	15.5	83.9	86.5	87.7	89.0	89.7	89.7	92.3	93.6	94.2	94.2	94.2
0	15.5	83.9	86.5	87.7	89.0	89.7	89.7	92.3	93.6	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

U.S. AIR FORCE SERVICE DETACHMENT, ASHEVILLE, NC

73-77

STATION NAME

YEARS

JAN

MONTM

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

10

MOURS (L.S.T.)

		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0	
CEILING (FEET)	NO CEILING	16.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	
	≥ 20000	19.4	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	
	18000	20.0	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
	16000	20.0	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	
	14000	21.9	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	
	12000	23.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	
	10000	27.1	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	
	8000	28.4	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	
	6000	32.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	
	4000	35.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	
	2000	37.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	
	1800	41.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	
	1600	41.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	
	1400	43.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
	1200	44.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
	1000	45.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	
800	47.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7		
600	50.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0		
400	51.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3		
200	54.2	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7		
100	55.5	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4		
0	55.5	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3		
100	55.5	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3		
200	56.1	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0		
300	56.1	89.7	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6		
400	56.1	90.3	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9		
500	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
1000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
1200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
1400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
1600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
1800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
2000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
2200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
2400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
2600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
2800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
3000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
3200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
3400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
3600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
3800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
4000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
4200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
4400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
4600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
4800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
5000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
5200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
5400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
5600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
5800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
6000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
6200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
6400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
6600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
6800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
7000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
7200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
7400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
7600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
7800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
8000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
8200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
8400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
8600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
8800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
9000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
9200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
9400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
9600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
9800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
10000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
10200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
10400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
10600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
10800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
11000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
11200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
11400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
11600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
11800	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
12000	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
12200	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
12400	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2		
12600	56.1	90.3	92.3	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2					

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JAN
MONTH

13
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	20.7	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	23.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
AI 18000	23.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
AI 16000	23.9	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
AI 14000	25.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
AI 12000	30.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
AI 10000	33.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
AI 9000	35.5	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 8000	38.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
AI 7000	40.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
AI 6000	41.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
AI 5000	45.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
AI 4500	45.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
AI 4000	47.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 3500	49.0	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
AI 3000	50.3	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
AI 2500	51.6	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
AI 2000	54.2	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
AI 1800	54.8	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
AI 1500	56.1	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 1200	56.1	83.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 1000	56.1	86.5	89.0	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
AI 900	56.1	86.5	89.0	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
AI 800	56.1	87.7	90.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
AI 700	56.1	88.4	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 600	56.1	88.4	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 500	56.1	88.4	92.3	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 400	56.1	88.4	92.3	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 300	56.1	88.4	92.3	94.2	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 200	56.1	88.4	92.3	94.2	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 100	56.1	88.4	92.3	94.2	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 0	56.1	88.4	92.3	94.2	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)		VISIBILITY (STATUTE MILES)													
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		21.9	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 20000		23.9	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 18000		24.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 16000		24.5	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 14000		25.2	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 12000		28.4	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 10000		32.3	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000		33.6	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000		36.1	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 7000		38.1	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 6000		38.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 5000		40.7	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4500		40.7	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4000		45.8	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3500		46.5	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3000		46.4	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500		49.7	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000		52.9	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1800		53.6	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500		54.8	78.7	80.7	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200		54.8	82.6	84.5	85.8	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000		54.8	85.2	87.7	89.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900		54.8	86.5	89.0	90.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800		54.8	88.4	91.0	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700		54.8	88.4	91.0	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600		54.8	89.7	92.3	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500		54.8	89.7	92.3	93.6	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400		54.8	89.7	92.3	93.6	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300		54.8	89.7	92.3	93.6	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200		54.8	89.7	92.3	93.6	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100		54.8	89.7	92.3	93.6	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0		54.8	89.7	92.3	93.6	95.5	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	10.3	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.7
≥ 20000	10.3	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9
≥ 18000	10.3	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9
≥ 16000	10.3	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.9
≥ 14000	11.0	32.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.6
≥ 12000	12.3	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	38.1	38.1
≥ 10000	12.9	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.7	40.7
≥ 9000	12.9	40.0	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.9	41.9
≥ 8000	13.6	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5	46.5
≥ 7000	13.6	45.2	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1
≥ 6000	14.2	46.5	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4	48.4
≥ 5000	14.2	49.0	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0	51.0
≥ 4500	14.2	50.3	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3	52.3
≥ 4000	14.2	53.6	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5	55.5
≥ 3500	14.2	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 3000	14.8	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9	61.9
≥ 2500	14.8	64.5	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1
≥ 2000	14.8	75.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4
≥ 1800	14.8	75.5	77.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4
≥ 1500	14.8	79.4	81.3	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9
≥ 1200	14.8	83.2	85.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 1000	14.8	84.5	87.1	89.0	90.3	90.3	90.3	90.3	90.3	90.3	91.0	91.0
≥ 900	14.8	86.5	89.0	91.0	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 800	14.8	87.7	90.3	92.9	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 700	14.8	87.7	90.3	92.9	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 600	14.8	87.7	90.3	93.6	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 500	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 400	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	97.4	97.4
≥ 300	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	97.4	97.4
≥ 200	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	98.1	98.1
≥ 100	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	98.7	98.7
0	14.8	87.7	90.3	93.6	96.1	96.1	96.1	96.1	96.1	96.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.0	28.4	29.0	29.0	29.7	29.7	30.3	30.3	30.3	30.3	30.3	31.0	31.0
≥ 20000	9.7	31.0	31.6	31.6	32.3	32.3	32.9	32.9	32.9	33.6	33.6	34.2	34.2
≥ 18000	9.7	31.0	31.6	31.6	32.3	32.3	32.9	32.9	32.9	33.6	33.6	34.2	34.2
≥ 16000	9.7	31.0	31.6	31.6	32.3	32.3	32.9	32.9	32.9	33.6	33.6	34.2	34.2
≥ 14000	9.7	31.0	31.6	31.6	32.3	32.3	32.9	32.9	32.9	33.6	33.6	34.2	34.2
≥ 12000	9.7	31.6	32.3	32.3	32.9	32.9	33.6	33.6	34.2	34.2	34.8	34.8	35.5
≥ 10000	11.0	36.8	37.4	37.4	38.1	38.1	38.7	38.7	39.4	39.4	40.0	40.0	40.7
≥ 9000	11.0	36.8	37.4	37.4	38.1	38.1	38.7	38.7	39.4	39.4	40.0	40.0	40.7
≥ 8000	11.6	41.3	41.9	42.6	43.2	43.2	43.9	43.9	44.5	44.5	45.2	45.2	45.8
≥ 7000	11.6	41.9	42.6	43.2	43.9	43.9	44.5	44.5	45.2	45.2	45.8	45.8	46.5
≥ 6000	11.6	43.2	43.9	44.5	45.2	45.2	45.8	45.8	46.5	46.5	47.1	47.1	47.7
≥ 5000	11.6	44.5	45.2	45.8	46.5	46.5	47.1	47.1	47.7	47.7	48.4	48.4	49.0
≥ 4500	11.6	46.5	47.1	47.7	48.4	48.4	49.0	49.0	49.7	49.7	50.3	50.3	51.0
≥ 4000	11.6	49.7	51.6	52.3	53.0	53.0	53.6	53.6	54.2	54.2	54.8	54.8	55.5
≥ 3500	11.6	53.6	55.5	56.1	56.8	56.8	57.4	57.4	58.1	58.1	58.7	58.7	59.4
≥ 3000	11.6	58.7	61.3	61.9	62.6	62.6	63.2	63.2	63.8	63.8	64.4	64.4	65.1
≥ 2500	11.6	63.2	65.8	67.1	67.7	67.7	68.4	68.4	69.0	69.0	69.6	69.6	70.3
≥ 2000	11.6	71.6	74.2	75.5	75.5	75.5	76.1	76.1	76.8	76.8	77.4	77.4	78.1
≥ 1800	11.6	74.2	76.8	78.1	78.1	78.1	78.7	78.7	79.4	79.4	80.0	80.0	80.7
≥ 1500	11.6	78.1	81.3	82.6	82.6	82.6	83.2	83.2	83.9	83.9	84.5	84.5	85.2
≥ 1200	11.6	81.9	85.8	87.1	87.1	87.1	87.7	87.7	88.4	88.4	89.0	89.0	89.7
≥ 1000	11.6	84.5	89.0	89.0	90.3	90.3	91.0	91.0	91.6	91.6	92.3	92.3	92.9
≥ 900	11.6	84.5	89.0	89.0	90.3	90.3	91.0	91.0	91.6	91.6	92.3	92.3	92.9
≥ 800	11.6	84.5	89.0	89.0	90.3	90.3	91.0	91.0	91.6	91.6	92.3	92.3	92.9
≥ 700	11.6	85.2	90.3	90.3	91.6	91.6	92.3	92.3	92.9	92.9	93.6	93.6	94.2
≥ 600	11.6	85.8	91.0	91.0	92.3	92.3	92.9	92.9	93.6	93.6	94.2	94.2	94.8
≥ 500	11.6	85.8	91.0	91.0	92.3	92.3	92.9	92.9	93.6	93.6	94.2	94.2	94.8
≥ 400	11.6	85.8	91.6	91.6	94.8	94.8	95.5	95.5	96.1	96.1	96.8	96.8	97.4
≥ 300	11.6	85.8	91.6	91.6	94.8	94.8	96.1	96.1	96.8	96.8	97.4	97.4	98.1
≥ 200	11.6	85.8	91.6	91.6	94.8	94.8	96.1	96.1	97.4	97.4	98.1	98.1	98.7
≥ 100	11.6	85.8	91.6	91.6	94.8	94.8	96.1	96.1	97.4	97.4	98.1	98.1	98.7
0	11.6	85.8	91.6	91.6	94.8	94.8	96.1	96.1	97.4	97.4	98.1	98.1	98.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.7	23.5	23.8	24.0	24.1	24.2	24.4	24.4	24.4	24.6	24.7	24.7	24.8	25.0
≥ 20000	13.9	26.7	27.0	27.3	27.3	27.4	27.7	27.7	27.7	28.1	28.2	28.2	28.3	28.6
≥ 18000	14.1	26.9	27.3	27.5	27.6	27.7	28.0	28.0	28.0	28.3	28.4	28.4	28.6	28.8
≥ 16000	14.1	26.9	27.3	27.5	27.6	27.7	28.0	28.0	28.0	28.3	28.4	28.4	28.6	28.8
≥ 14000	14.8	27.7	28.0	28.2	28.3	28.4	28.7	28.7	28.7	29.0	29.1	29.1	29.3	29.5
≥ 12000	16.4	30.2	30.7	30.9	31.0	31.1	31.4	31.4	31.4	31.7	31.8	31.8	31.9	32.2
≥ 10000	18.5	34.9	35.3	35.6	35.7	35.7	36.1	36.1	36.1	36.4	36.5	36.5	36.6	36.9
≥ 9000	19.1	35.7	36.1	36.4	36.5	36.5	36.9	36.9	36.9	37.2	37.3	37.3	37.4	37.7
≥ 8000	20.7	39.8	40.2	40.6	40.7	40.7	41.1	41.1	41.1	41.4	41.5	41.5	41.6	41.9
≥ 7000	21.6	41.0	41.4	41.7	41.8	41.9	42.2	42.2	42.2	42.5	42.6	42.6	42.7	43.0
≥ 6000	22.1	42.6	43.0	43.3	43.4	43.5	43.8	43.8	43.8	44.1	44.2	44.2	44.4	44.6
≥ 5000	23.4	46.4	46.9	47.3	47.3	47.4	47.7	47.7	47.7	48.1	48.2	48.2	48.3	48.6
≥ 4500	23.5	47.7	48.2	48.6	48.6	48.7	49.0	49.0	49.0	49.4	49.4	49.4	49.6	49.8
≥ 4000	24.6	51.7	52.6	52.9	53.0	53.1	53.4	53.4	53.4	53.8	53.9	53.9	54.0	54.3
≥ 3500	25.1	53.9	54.8	55.1	55.2	55.2	55.6	55.6	55.6	56.0	56.1	56.1	56.2	56.5
≥ 3000	25.7	59.0	60.1	60.6	60.7	60.7	61.1	61.1	61.1	61.5	61.5	61.5	61.7	61.9
≥ 2500	26.4	62.7	63.9	64.4	64.6	64.7	65.0	65.0	65.0	65.4	65.5	65.5	65.7	65.9
≥ 2000	27.6	69.9	71.4	72.0	72.2	72.3	72.7	72.7	72.7	73.2	73.2	73.2	73.4	73.6
≥ 1800	27.8	71.6	73.2	73.8	74.0	74.0	74.5	74.5	74.5	74.9	75.0	75.0	75.2	75.4
≥ 1500	28.6	75.8	77.7	78.6	79.0	79.1	79.7	79.7	79.7	80.1	80.2	80.2	80.3	80.7
≥ 1200	28.8	80.6	82.7	83.7	84.3	84.5	85.2	85.2	85.2	85.6	85.7	85.7	85.8	86.1
≥ 1000	28.9	83.2	85.8	86.8	87.6	87.8	88.5	88.5	88.5	89.0	89.0	89.0	89.3	89.6
≥ 900	28.9	83.7	86.5	87.5	88.4	88.6	89.3	89.3	89.3	89.8	89.8	89.8	90.1	90.4
≥ 800	29.0	84.8	87.5	88.7	89.7	89.9	90.7	90.7	90.7	91.1	91.2	91.2	91.5	91.8
≥ 700	29.0	85.6	88.5	89.8	90.9	91.1	91.9	91.9	91.9	92.4	92.5	92.5	92.7	93.1
≥ 600	29.0	86.0	89.9	90.5	91.5	91.8	92.6	92.6	92.6	93.1	93.2	93.2	93.4	93.7
≥ 500	29.0	86.1	89.2	91.1	92.7	93.0	94.0	94.2	94.2	94.8	94.8	94.8	95.1	95.4
≥ 400	29.0	86.1	89.4	91.3	93.2	93.6	94.7	94.9	94.9	95.7	95.8	95.8	96.1	96.4
≥ 300	29.0	86.2	89.5	91.5	93.6	93.9	95.3	95.7	95.7	96.8	96.9	96.9	97.1	97.4
≥ 200	29.0	86.2	89.5	91.5	93.6	94.0	95.7	96.1	96.2	97.4	97.6	97.7	98.0	98.3
≥ 100	29.0	86.2	89.5	91.5	93.6	94.0	95.7	96.2	96.3	97.5	97.7	97.7	98.2	98.6
0	29.0	86.2	89.5	91.5	93.6	94.0	95.7	96.2	96.3	97.5	97.7	97.7	98.3	98.7

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	9.2	29.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 20000	9.9	31.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000	9.9	32.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000	9.9	32.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000	9.9	34.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 12000	9.9	34.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 10000	10.6	41.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 9000	10.6	41.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 8000	12.1	45.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 7000	12.1	45.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 6000	12.1	47.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 5000	14.2	50.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 4500	14.2	51.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4000	14.2	53.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 3500	14.2	57.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 3000	14.2	63.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 2500	14.2	68.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2000	14.2	77.3	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800	14.2	80.1	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	14.2	84.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	14.2	88.7	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	14.2	92.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 900	14.2	92.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0	14.2	92.9	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	5.7	22.7	23.4	23.4	23.4	23.4	23.4	24.8	24.8	24.8	24.8	24.8	24.8
≥ 20000	7.1	25.5	26.2	26.2	26.2	26.2	26.2	27.0	27.0	27.0	27.0	27.0	27.0
18000	7.1	25.5	26.2	26.2	26.2	26.2	26.2	27.0	27.0	27.0	27.0	27.0	27.0
16000	7.1	25.5	26.2	26.2	26.2	26.2	26.2	27.0	27.0	27.0	27.0	27.0	27.0
14000	7.1	26.2	27.0	27.0	27.0	27.0	27.0	28.4	28.4	28.4	28.4	28.4	28.4
12000	7.1	29.1	29.8	29.8	29.8	29.8	30.5	31.2	31.2	31.2	31.2	31.2	31.2
10000	8.5	33.3	34.0	34.0	34.0	34.0	34.0	35.5	35.5	35.5	35.5	35.5	35.5
8000	8.5	33.3	34.0	34.0	34.0	34.0	34.0	35.5	35.5	35.5	35.5	35.5	35.5
7000	9.9	36.2	36.9	36.9	36.9	36.9	37.6	38.3	38.3	38.3	38.3	38.3	38.3
6000	9.9	37.6	38.3	38.3	38.3	38.3	39.0	39.7	39.7	39.7	39.7	39.7	39.7
5000	10.6	40.4	41.1	41.1	41.1	41.1	41.8	42.6	42.6	42.6	42.6	42.6	42.6
4500	12.1	45.4	46.1	46.1	46.1	46.1	46.8	47.5	47.5	47.5	47.5	47.5	47.5
4000	12.1	47.3	48.2	48.2	48.2	48.2	48.9	49.7	49.7	49.7	49.7	49.7	49.7
3500	13.5	54.6	55.3	55.3	55.3	55.3	56.0	56.7	56.7	56.7	56.7	56.7	56.7
3000	13.5	56.7	57.5	57.5	57.5	57.5	58.2	58.9	58.9	58.9	58.9	58.9	58.9
2500	14.2	62.4	63.8	63.8	63.8	63.8	64.5	65.3	65.3	65.3	65.3	65.3	65.3
2000	14.2	74.5	75.9	75.9	75.9	75.9	76.6	77.3	77.3	77.3	77.3	77.3	77.3
1800	14.2	77.3	78.7	78.7	78.7	78.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1
1500	14.2	83.7	86.5	86.5	86.5	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9
1200	14.2	85.1	88.7	89.4	89.4	89.4	90.1	90.8	90.8	90.8	90.8	90.8	90.8
1000	14.2	87.9	91.5	92.2	92.2	92.2	92.9	93.6	93.6	93.6	93.6	93.6	93.6
900	14.2	87.9	92.2	92.9	92.9	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3
800	14.2	88.7	92.9	93.6	93.6	93.6	94.3	95.0	95.0	95.0	95.0	95.0	95.0
700	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
600	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
500	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
400	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
300	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
200	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
100	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5
0	14.2	90.1	94.3	95.0	95.0	95.0	95.7	96.5	96.5	96.5	96.5	96.5	96.5

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24253
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	10.6	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.9
≥ 20000	10.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.3	21.3	21.3	22.0
18000	10.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.3	21.3	21.3	22.0
16000	10.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.3	21.3	21.3	22.0
14000	10.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	21.3	21.3	21.3	22.0
12000	10.6	21.3	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.7	22.7	22.7	23.4
10000	12.1	27.0	27.7	27.7	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	29.1
9000	12.8	28.4	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.8	29.8	29.8	30.5
8000	15.6	32.6	33.3	33.3	33.3	33.3	33.3	33.3	33.3	34.0	34.0	34.0	34.8
7000	16.3	34.0	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.5	35.5	35.5	36.2
6000	17.0	35.3	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.9	36.9	36.9	37.6
5000	19.9	39.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	40.4	40.4	40.4	41.1
4500	19.9	39.7	40.4	40.4	40.4	40.4	40.4	40.4	40.4	41.1	41.1	41.1	41.8
4000	21.3	44.7	45.4	45.4	45.4	45.4	45.4	45.4	45.4	46.1	46.1	46.1	46.8
3500	21.3	46.8	47.5	47.5	47.5	47.5	47.5	47.5	47.5	48.2	48.2	48.2	48.9
3000	24.1	53.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7	56.7	57.5
2500	24.8	58.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.6	59.6	59.6	60.3
2000	27.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	67.4
1800	27.0	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	67.4
1500	27.7	73.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.9
1200	29.1	83.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1	85.1	85.8
1000	29.1	87.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.8
900	29.1	87.2	88.7	88.7	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.8
800	29.1	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5	92.2
700	29.1	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5	92.2
600	29.1	88.7	90.1	90.1	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5	92.2
500	29.1	88.7	90.1	90.8	92.2	92.2	92.2	92.2	92.2	92.9	92.9	92.9	93.6
400	29.1	88.7	90.1	90.8	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.3
300	29.1	88.7	90.1	90.8	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.3
200	29.1	88.7	90.1	90.8	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.3
100	29.1	88.7	90.1	90.8	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.3
0	29.1	88.7	90.1	90.8	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	94.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	19.2	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 20000	25.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.1	29.1	29.1	29.1
≥ 18000	25.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.1	29.1	29.1	29.1
≥ 16000	25.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	29.1	29.1	29.1	29.1
≥ 14000	26.2	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.8	29.8	29.8	29.8
≥ 12000	29.8	33.3	33.3	33.3	33.3	33.3	33.3	33.3	34.0	34.0	34.0	34.0
≥ 10000	32.6	38.3	38.3	38.3	38.3	38.3	38.3	38.3	39.0	39.0	39.0	39.0
≥ 9000	33.3	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.7	39.7	39.7	39.7
8000	36.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4	45.4	45.4
7000	36.2	44.7	44.7	44.7	44.7	44.7	44.7	44.7	45.4	45.4	45.4	45.4
6000	37.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.8	46.8	46.8	46.8
5000	39.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.9	48.9	48.9	48.9
4500	39.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.7	49.7	49.7	49.7
4000	43.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7
3500	45.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	61.0	61.0	61.0	61.0
3000	48.9	66.7	66.7	67.4	67.4	67.4	67.4	67.4	68.1	68.1	68.1	68.1
2500	49.7	68.1	68.1	68.8	68.8	68.8	68.8	68.8	69.5	69.5	69.5	69.5
2000	51.8	73.1	73.1	73.8	73.8	73.8	73.8	73.8	74.5	74.5	74.5	74.5
1800	52.5	76.6	76.6	77.3	77.3	77.3	77.3	77.3	78.0	78.0	78.0	78.0
1500	53.2	80.1	80.1	80.9	80.9	80.9	81.6	81.6	82.3	82.3	82.3	82.3
1200	54.6	86.5	86.5	87.2	87.2	87.2	87.9	87.9	88.7	88.7	88.7	88.7
1000	55.3	88.7	90.8	91.5	91.5	91.5	92.2	92.2	92.9	92.9	92.9	92.9
900	55.3	88.7	91.5	92.2	92.2	92.2	92.9	92.9	93.6	93.6	93.6	93.6
800	55.3	90.8	93.6	94.3	94.3	94.3	95.0	95.0	95.7	95.7	95.7	95.7
700	55.3	90.8	93.6	94.3	94.3	94.3	95.0	95.0	95.7	95.7	95.7	95.7
600	55.3	91.5	94.3	95.0	95.0	95.0	95.7	95.7	96.5	96.5	96.5	96.5
500	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2
400	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2
300	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2
200	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2
100	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2
0	55.3	92.2	95.0	95.7	95.7	95.7	96.5	96.5	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	19.9	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 20000	27.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 18000	27.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 16000	27.7	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 14000	29.1	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 12000	31.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 10000	38.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	38.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	44.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	46.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 6000	46.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 5000	51.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 4500	51.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	54.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	56.0	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3000	56.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	57.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	58.2	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	58.2	81.6	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	59.6	85.8	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	61.0	88.7	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1000	62.4	92.2	92.9	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 900	62.4	93.6	94.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	62.4	93.6	94.3	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 700	62.4	94.3	95.7	96.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	62.4	95.7	97.2	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255 STATION

WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	21.3	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 20000	27.0	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
18000	27.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
16000	27.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
14000	28.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
12000	31.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
10000	36.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
9000	39.0	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
8000	41.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
7000	43.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
6000	44.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
5000	46.1	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
4500	47.5	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
4000	51.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
3500	52.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
3000	52.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
2500	54.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2000	56.7	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1800	56.7	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1500	57.5	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
1200	57.5	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1000	57.5	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
900	57.5	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	57.5	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
700	57.5	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
600	57.5	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
500	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	57.5	96.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	14.9	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	14.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	14.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	14.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	17.0	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 10000	17.0	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 9000	17.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 8000	19.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 7000	19.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 6000	19.9	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 5000	19.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 4500	20.6	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4000	22.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500	22.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3000	22.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500	22.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	22.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	22.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	22.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	22.7	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1000	22.7	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 900	22.7	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 800	22.7	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	22.7	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 600	22.7	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 500	22.7	95.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	22.7	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	22.7	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	22.7	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	22.7	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
0	22.7	95.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

141

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	8.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	9.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 18000	10.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	10.6	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
14000	11.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
12000	12.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
10000	12.8	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
9000	12.8	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
8000	13.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
7000	14.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
6000	14.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
5000	14.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
4500	14.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
4000	15.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
3500	15.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
3000	15.6	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
2500	15.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2000	15.6	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1800	15.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1500	15.6	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
1200	15.6	90.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
1000	15.6	93.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
900	15.6	93.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
800	15.6	94.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
700	15.6	94.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
600	15.6	94.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
500	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
400	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
300	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
200	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
100	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
0	15.6	94.3	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS

141

AD-A062 048

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) WHIDBEY --ETC(U)
JUL 78

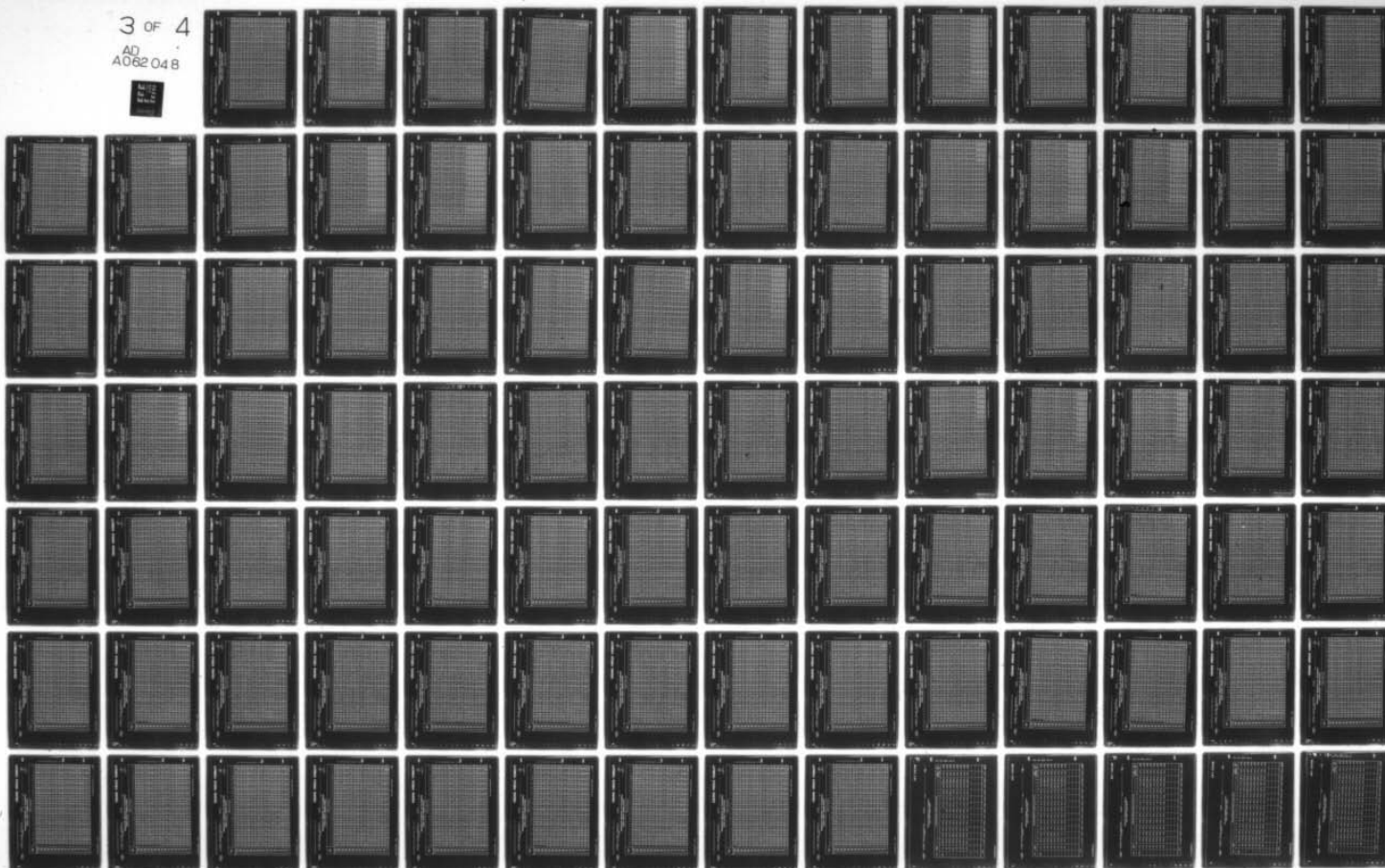
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UNCLASSIFIED

NL

3 OF 4

AD
A062 048



CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	13.5	24.5	24.8	24.0	24.8	24.8	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.3
≥ 20000	16.6	29.2	29.5	29.5	29.5	29.5	29.6	29.7	29.7	29.9	29.9	29.9	30.0	30.1
≥ 18000	16.8	29.7	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.4	30.4	30.4	30.5	30.7
≥ 16000	16.8	29.7	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.4	30.4	30.4	30.5	30.7
≥ 14000	17.2	30.9	31.3	31.3	31.3	31.3	31.4	31.5	31.5	31.7	31.7	31.7	31.7	31.9
≥ 12000	18.7	33.7	34.1	34.1	34.1	34.1	34.2	34.3	34.3	34.5	34.5	34.5	34.6	34.8
≥ 10000	21.1	38.7	39.2	39.2	39.2	39.2	39.3	39.4	39.4	39.5	39.5	39.5	39.6	39.8
≥ 9000	21.5	39.4	39.8	39.8	39.8	39.8	39.9	40.0	40.0	40.2	40.2	40.2	40.3	40.4
≥ 8000	24.1	44.4	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.2	45.2	45.2	45.3	45.5
≥ 7000	24.7	46.2	46.6	46.6	46.6	46.6	46.7	46.8	46.8	47.0	47.0	47.0	47.1	47.3
≥ 6000	25.3	47.7	48.1	48.1	48.1	48.1	48.2	48.3	48.3	48.5	48.5	48.5	48.6	48.8
≥ 5000	27.2	51.7	52.1	52.1	52.1	52.1	52.2	52.3	52.3	52.5	52.5	52.5	52.6	52.8
≥ 4500	27.6	53.2	53.6	53.6	53.6	53.6	53.7	53.8	53.8	54.0	54.0	54.0	54.1	54.3
≥ 4000	29.5	58.8	59.2	59.2	59.2	59.2	59.3	59.4	59.4	59.6	59.6	59.6	59.7	59.8
≥ 3500	30.1	61.4	61.8	61.8	61.8	61.8	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.4
≥ 3000	31.0	67.2	67.7	67.8	67.8	67.8	67.9	68.1	68.1	68.3	68.3	68.3	68.4	68.5
≥ 2500	31.7	70.1	70.7	70.8	70.9	70.9	71.0	71.2	71.2	71.4	71.4	71.4	71.5	71.6
≥ 2000	32.5	77.5	78.2	78.3	78.5	78.5	78.6	78.7	78.7	78.9	78.9	78.9	79.0	79.2
≥ 1800	32.6	79.3	80.1	80.1	80.3	80.3	80.4	80.6	80.6	80.8	80.8	80.8	80.9	81.0
≥ 1500	33.1	83.9	84.9	85.0	85.2	85.2	85.4	85.6	85.6	85.7	85.7	85.7	85.8	86.0
≥ 1200	33.6	88.5	90.0	90.3	90.5	90.5	90.7	90.9	90.9	91.1	91.1	91.1	91.1	91.3
≥ 1000	33.9	91.2	93.2	93.5	93.9	93.9	94.1	94.2	94.2	94.4	94.4	94.4	94.5	94.7
≥ 900	33.9	91.5	93.8	94.2	94.5	94.5	94.7	94.9	94.9	95.0	95.0	95.0	95.1	95.3
≥ 800	33.9	92.5	94.8	95.1	95.5	95.5	95.7	95.8	95.8	96.0	96.0	96.0	96.1	96.3
≥ 700	33.9	92.7	95.1	95.5	95.8	95.8	96.0	96.2	96.2	96.4	96.4	96.4	96.5	96.6
≥ 600	33.9	93.0	95.5	95.9	96.3	96.3	96.5	96.9	96.9	97.1	97.1	97.1	97.2	97.3
≥ 500	33.9	93.2	95.8	96.5	97.0	97.0	97.3	97.7	97.7	97.9	97.9	97.9	98.0	98.1
≥ 400	33.9	93.2	95.9	96.6	97.2	97.2	97.6	98.0	98.0	98.1	98.1	98.1	98.2	98.3
≥ 300	33.9	93.2	95.9	96.6	97.3	97.3	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7
≥ 200	33.9	93.2	95.9	96.6	97.3	97.3	97.9	98.4	98.4	98.7	98.8	98.8	98.9	99.0
≥ 100	33.9	93.2	95.9	96.6	97.3	97.3	97.9	98.4	98.4	98.7	98.8	98.8	98.9	99.0
0	33.9	93.2	95.9	96.6	97.3	97.3	97.9	98.4	98.4	98.7	98.8	98.8	98.9	99.0

TOTAL NUMBER OF OBSERVATIONS

1128

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	9.0	27.7	28.4	28.4	28.4	28.4	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	10.3	32.9	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2
≥ 18000	10.3	32.9	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2
≥ 16000	10.3	32.9	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2
≥ 14000	10.3	32.9	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2
≥ 12000	11.0	36.1	36.8	36.8	36.8	36.8	37.4	37.4	37.4	37.4	37.4	37.4
≥ 10000	11.6	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3
≥ 9000	11.6	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	12.9	43.9	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2
≥ 7000	13.6	47.1	47.7	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4
≥ 6000	14.2	48.4	49.0	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7
≥ 5000	14.8	54.2	54.8	54.8	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	15.5	53.5	56.1	56.1	56.1	56.1	56.8	56.8	56.8	56.8	56.8	56.8
≥ 4000	15.5	63.2	64.5	64.5	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	15.5	65.8	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	15.5	71.6	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2500	15.5	75.3	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	15.5	83.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1800	16.1	84.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	17.4	89.7	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	18.1	93.6	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	18.1	94.8	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	18.1	95.5	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	18.1	95.5	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
0	18.1	96.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

159

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7.1	25.2	26.5	26.5	26.5	26.5	26.5	27.1	27.1	27.1	27.1	27.1	27.1
≥ 20000	7.1	25.2	27.1	27.1	27.1	27.1	27.1	27.1	27.7	27.7	27.7	27.7	27.7
≥ 18000	7.1	25.8	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	7.1	25.8	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	7.1	25.8	27.7	27.7	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4
≥ 12000	8.4	27.7	29.7	29.7	29.7	29.7	29.7	30.3	30.3	30.3	30.3	30.3	30.3
≥ 10000	9.7	31.6	33.6	33.6	33.6	33.6	33.6	34.2	34.2	34.2	34.2	34.2	34.2
≥ 9000	10.3	32.9	34.8	34.8	34.8	34.8	34.8	35.5	35.5	35.5	35.5	35.5	35.5
≥ 8000	11.6	37.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	12.3	40.7	42.6	42.6	42.6	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	12.9	42.6	44.5	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2
≥ 5000	13.6	48.4	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500	13.6	49.7	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	14.2	56.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3500	14.2	58.1	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3000	14.2	63.9	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2500	14.2	71.6	73.6	73.6	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000	14.2	78.7	81.9	81.9	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	14.2	80.7	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500	15.5	85.8	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	16.8	89.0	92.9	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	16.8	91.0	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	16.8	91.6	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	16.8	91.6	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	16.8	91.6	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
0	16.8	92.3	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24235
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	17.4	22.6	22.6	22.6	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 20000	18.1	26.5	26.5	26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	19.4	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	19.4	27.7	27.7	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	20.7	29.7	29.7	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 12000	21.9	31.6	31.6	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 10000	21.9	32.9	32.9	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 9000	21.9	32.9	32.9	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 8000	25.2	38.7	38.7	38.7	39.4	39.4	40.0	40.0	40.0	40.0	40.0	40.0
≥ 7000	27.1	41.3	41.3	41.3	41.9	41.9	42.6	42.6	42.6	42.6	42.6	42.6
≥ 6000	28.4	42.6	42.6	42.6	43.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9
≥ 5000	32.3	49.7	49.7	49.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500	33.6	52.3	52.3	52.3	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6
≥ 4000	36.8	59.4	59.4	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	37.4	60.0	60.0	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	38.1	63.9	63.9	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2500	40.0	68.4	68.4	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2000	42.6	76.1	76.1	76.1	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800	43.9	80.0	80.0	80.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1500	44.5	83.9	84.5	84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	46.5	89.7	90.3	90.3	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	46.5	92.3	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	46.5	93.6	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	46.5	93.6	94.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	46.5	93.6	94.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	46.5	94.2	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	46.5	94.8	95.5	95.5	96.1	96.1	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	46.5	94.8	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	46.5	94.8	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	46.5	94.8	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	46.5	94.8	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4
0	46.5	94.8	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

MAR

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MARCH

MONTH

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	18.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 20000	25.2	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 18000	26.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 16000	26.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 14000	27.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 12000	31.0	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 10000	32.3	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 9000	32.9	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 8000	36.8	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 7000	40.7	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 6000	42.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 5000	45.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4500	45.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	49.7	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3500	52.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 3000	55.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2500	57.4	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2000	63.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1800	64.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	66.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1200	67.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	67.7	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	68.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	68.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	68.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	68.4	97.4	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	68.4	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	31.6	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	40.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 16000	41.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 14000	42.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 12000	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	47.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 9000	49.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	52.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	58.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	58.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 5000	60.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	60.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4000	63.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	66.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	71.0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	71.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	72.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	72.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	74.2	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	74.2	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	74.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAR
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	20.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	25.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	25.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	25.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	26.5	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 12000	27.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 10000	29.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 9000	29.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
8000	31.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
7000	32.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
6000	34.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
5000	36.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
4500	37.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
4000	39.4	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
3500	40.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
3000	41.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2500	41.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2000	42.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1800	42.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1500	43.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200	43.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	43.9	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	43.9	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	43.9	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

153

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	9.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000	10.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 18000	10.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 16000	10.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 14000	10.3	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 12000	10.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	11.6	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 9000	11.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	14.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 7000	14.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	14.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000	15.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	15.5	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4000	17.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	18.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	18.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	18.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	20.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	20.0	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1500	20.7	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	20.7	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	20.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	20.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAR
MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	17.6	27.6	27.8	27.8	27.9	27.9	28.0	28.1	28.1	28.1	28.1	28.1	28.2	28.2
≥ 20000	21.4	33.4	33.7	33.7	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.1
≥ 18000	21.9	34.0	34.4	34.4	34.4	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.7	34.8
≥ 16000	22.0	34.1	34.4	34.4	34.5	34.5	34.6	34.7	34.7	34.7	34.7	34.7	34.8	34.8
≥ 14000	22.7	34.9	35.2	35.2	35.3	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.6	35.7
≥ 12000	24.4	37.7	38.0	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.3	38.4
≥ 10000	26.1	41.4	41.7	41.7	41.8	41.8	41.9	41.9	41.9	41.9	41.9	41.9	42.0	42.1
≥ 9000	26.5	42.1	42.4	42.4	42.5	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.8
≥ 8000	29.3	47.3	47.7	47.7	47.7	47.7	47.9	48.0	48.0	48.0	48.0	48.0	48.1	48.2
≥ 7000	31.3	51.2	51.5	51.5	51.6	51.6	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.1
≥ 6000	32.3	53.2	53.5	53.5	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.9	54.0
≥ 5000	34.7	58.5	58.8	58.8	58.9	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.4
≥ 4500	35.0	59.7	60.0	60.0	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.4	60.6
≥ 4000	37.3	66.4	66.8	66.8	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.3
≥ 3500	39.0	69.4	69.8	69.8	69.9	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.4
≥ 3000	40.4	74.8	75.2	75.2	75.3	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.8
≥ 2500	41.2	79.0	79.4	79.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.9	80.1
≥ 2000	43.0	86.1	86.9	86.9	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.4	87.6
≥ 1800	43.5	88.2	89.1	89.1	89.3	89.3	89.4	89.5	89.5	89.5	89.5	89.5	89.6	89.8
≥ 1500	44.4	92.0	93.0	93.0	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.5	93.6
≥ 1200	45.2	94.8	96.0	96.0	96.1	96.1	96.3	96.4	96.4	96.4	96.4	96.4	96.5	96.6
≥ 1000	45.4	96.1	97.6	97.6	97.7	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.3
≥ 900	45.5	96.5	98.1	98.1	98.2	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.9
≥ 800	45.5	96.5	98.2	98.3	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.2
≥ 700	45.5	96.6	98.3	98.4	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.3
≥ 600	45.5	96.8	98.5	98.7	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.4	99.6
≥ 500	45.5	96.9	98.6	98.9	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.6
≥ 400	45.5	96.9	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9
≥ 300	45.5	96.9	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9
≥ 200	45.5	96.9	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9
≥ 100	45.5	96.9	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9
0	45.5	96.9	98.6	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24253
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

01
HOURS (L S T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	12.7	39.3	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	14.0	44.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	14.0	44.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	14.0	44.0	45.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	14.0	44.0	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	14.7	46.7	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	15.3	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	15.3	49.3	50.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 8000	15.3	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 7000	15.3	55.3	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 6000	15.3	56.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 5000	16.7	63.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4500	16.7	64.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	18.0	74.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	18.7	76.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000	18.7	80.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	18.7	84.0	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2000	18.7	90.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	18.7	92.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	18.7	92.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 900	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	18.7	93.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	18.7	93.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	18.7	93.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	18.7	93.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	18.7	93.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	18.7	93.3	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

APR
MONTH

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	12.7	32.7	33.3	34.0	34.0	34.0	34.0	34.0	34.7	34.7	34.7	34.7
≥ 20000	14.0	40.0	41.3	42.0	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7
≥ 18000	14.0	40.0	41.3	42.0	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7
≥ 16000	14.0	40.0	41.3	42.0	42.0	42.0	42.0	42.0	42.7	42.7	42.7	42.7
≥ 14000	14.0	40.7	42.0	42.7	42.7	42.7	42.7	42.7	43.3	43.3	43.3	43.3
≥ 12000	14.7	42.7	44.0	44.7	44.7	44.7	44.7	44.7	45.3	45.3	45.3	45.3
≥ 10000	14.7	44.7	46.0	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3
≥ 9000	14.7	44.7	46.0	46.7	46.7	46.7	46.7	46.7	47.3	47.3	47.3	47.3
≥ 8000	14.7	49.3	50.7	51.3	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0
≥ 7000	14.7	51.3	52.7	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 6000	14.7	51.3	52.7	53.3	53.3	53.3	53.3	53.3	54.0	54.0	54.0	54.0
≥ 5000	16.0	54.0	55.3	56.0	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7
≥ 4500	16.0	54.7	56.0	56.7	56.7	56.7	56.7	56.7	57.3	57.3	57.3	57.3
≥ 4000	18.0	64.0	65.3	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7
≥ 3500	19.3	66.7	68.0	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3	69.3
≥ 3000	19.3	74.0	75.3	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7
≥ 2500	19.3	78.0	79.3	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 2000	19.3	82.7	84.7	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.0
≥ 1800	19.3	84.0	86.0	86.7	86.7	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 1500	20.0	88.7	90.7	91.3	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7
≥ 1200	20.0	90.7	93.3	94.0	94.7	94.7	94.7	94.7	96.0	96.0	96.0	96.0
≥ 1000	20.0	90.7	94.0	94.7	95.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 900	20.0	90.7	94.0	94.7	95.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7
≥ 800	20.0	90.7	94.7	95.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 700	20.0	90.7	94.7	95.3	96.0	96.0	96.0	96.0	97.3	97.3	97.3	97.3
≥ 600	20.0	91.3	95.3	96.0	96.7	96.7	96.7	96.7	98.0	98.0	98.0	98.0
≥ 500	20.0	91.3	95.3	96.0	96.7	96.7	96.7	96.7	98.0	98.0	98.0	98.0
≥ 400	20.0	91.3	96.0	96.7	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7
≥ 300	20.0	91.3	96.0	96.7	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7
≥ 200	20.0	91.3	96.0	96.7	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7
≥ 100	20.0	91.3	96.0	96.7	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7
0	20.0	91.3	96.0	96.7	97.3	97.3	97.3	97.3	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

APR

MONTH

07

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	20.0	26.0	26.0	26.0	26.0	26.0	26.7	26.7	26.7	26.7	26.7	26.7
≥ 20000	25.3	32.7	32.7	32.7	32.7	32.7	33.3	33.3	33.3	33.3	33.3	33.3
≥ 18000	26.7	34.7	34.7	34.7	34.7	34.7	35.3	35.3	35.3	35.3	35.3	35.3
≥ 16000	26.7	34.7	34.7	34.7	34.7	34.7	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	28.0	36.0	36.0	36.0	36.0	36.0	36.7	36.7	36.7	36.7	36.7	36.7
≥ 12000	30.7	39.3	39.3	39.3	39.3	39.3	40.0	40.0	40.0	40.0	40.0	40.0
≥ 10000	34.0	44.0	44.0	44.0	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7
≥ 9000	34.0	44.0	44.0	44.0	44.0	44.0	44.7	44.7	44.7	44.7	44.7	44.7
≥ 8000	37.3	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3
≥ 7000	37.3	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3
≥ 6000	37.3	50.7	50.7	50.7	50.7	50.7	51.3	51.3	51.3	51.3	51.3	51.3
≥ 5000	40.0	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0
≥ 4500	40.7	56.7	56.7	56.7	56.7	56.7	57.3	57.3	57.3	57.3	57.3	57.3
≥ 4000	44.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7
≥ 3500	44.7	65.3	65.3	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3000	44.7	70.7	70.7	70.7	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	49.3	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	54.7	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	55.3	84.7	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	57.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1200	58.0	90.7	91.3	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	58.0	92.0	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 900	58.0	92.0	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	58.0	93.3	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	58.0	94.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 600	58.0	94.0	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 400	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 200	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 0	58.0	94.7	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	30.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	38.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	44.0	44.0
18000	39.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7	44.7
16000	39.3	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.7	44.7
14000	40.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	46.0	46.0
12000	44.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.7	50.7
10000	47.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.0	54.0
9000	48.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.3	55.3
8000	53.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7
7000	54.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.7	62.7
6000	55.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0
5000	57.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	68.0	68.0
4500	58.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0
4000	60.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7
3500	62.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7
3000	65.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7
2500	66.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0
2000	70.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0
1800	70.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
1500	71.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7
1200	71.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0
1000	71.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
900	71.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0
800	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
600	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
500	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
400	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
300	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
200	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
100	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7
0	71.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	36.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	47.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	48.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	48.7	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	55.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	58.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	59.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 8000	67.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 7000	68.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	68.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	70.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	70.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	74.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	75.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	76.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	77.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	78.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800	79.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	80.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	80.0	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	80.0	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	80.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	42.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	50.0	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
AI 18000	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
AI 16000	53.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
AI 14000	54.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
AI 12000	56.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
AI 10000	59.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
AI 9000	60.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AI 8000	71.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 7000	75.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 6000	78.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
AI 5000	79.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
AI 4500	80.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
AI 4000	81.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
AI 3500	85.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
AI 3000	86.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 2500	86.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 2000	87.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 1800	87.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 1500	87.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 1200	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1000	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 900	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 800	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 0	88.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	38.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	44.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000	44.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 16000	44.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 14000	46.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	50.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	52.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	52.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	57.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	58.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 6000	60.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	64.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	66.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4000	69.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	72.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 3000	72.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	73.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	76.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	76.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	76.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	76.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	76.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	15.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	17.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	17.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 16000	17.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 14000	18.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 12000	19.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 10000	19.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	19.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	20.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000	20.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	20.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	21.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500	21.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000	22.7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500	24.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	24.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	24.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	24.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	24.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	24.7	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	24.7	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHI08EY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (157)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	25.9	37.3	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.9	37.9	37.9	37.9
≥ 20000	31.3	45.4	45.8	45.9	45.9	45.9	46.0	46.0	46.0	46.1	46.2	46.2	46.2
≥ 18000	32.0	46.3	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.9	47.0	47.0	47.0
≥ 16000	32.3	46.5	46.8	47.0	47.0	47.0	47.1	47.1	47.1	47.2	47.3	47.3	47.3
≥ 14000	33.4	48.0	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.7	48.8	48.8	48.8
≥ 12000	35.8	51.2	51.5	51.7	51.7	51.7	51.8	51.8	51.8	51.9	51.9	51.9	51.9
≥ 10000	37.6	54.5	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.3	55.3	55.3
≥ 9000	38.0	55.0	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.7	55.8	55.8	55.8
≥ 8000	42.1	61.8	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.4	62.5	62.5	62.5
≥ 7000	42.8	63.6	63.9	64.1	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 6000	43.7	64.7	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 5000	45.8	69.7	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.5	70.5	70.5
≥ 4500	46.3	70.8	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5	71.6	71.6	71.6
≥ 4000	48.5	77.0	77.5	77.7	77.7	77.7	77.8	77.8	77.8	77.9	77.9	77.9	77.9
≥ 3500	50.3	79.6	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.5	80.5	80.5
≥ 3000	50.8	84.2	84.7	84.8	84.8	84.8	84.9	84.9	84.9	85.0	85.1	85.1	85.1
≥ 2500	51.8	86.8	87.5	87.7	87.7	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9
≥ 2000	53.8	91.2	92.0	92.2	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4
≥ 1800	54.0	92.0	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.2	93.3	93.3	93.3
≥ 1500	54.5	93.8	94.8	95.1	95.1	95.1	95.2	95.2	95.2	95.3	95.4	95.4	95.4
≥ 1200	54.7	95.3	96.5	96.9	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3
≥ 1000	54.7	95.7	97.1	97.6	97.7	97.7	97.8	97.8	97.8	97.9	98.0	98.1	98.1
≥ 900	54.7	95.8	97.2	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.1	98.2	98.2
≥ 800	54.7	95.9	97.4	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.4	98.5	98.5
≥ 700	54.7	96.1	97.7	98.3	98.3	98.3	98.4	98.4	98.4	98.6	98.7	98.8	98.8
≥ 600	54.7	96.2	97.8	98.3	98.4	98.4	98.5	98.5	98.5	98.7	98.8	98.8	98.8
≥ 500	54.7	96.3	97.8	98.4	98.5	98.5	98.6	98.6	98.6	98.8	98.9	98.9	98.9
≥ 400	54.7	96.3	98.0	98.6	98.8	98.8	98.8	98.8	98.8	99.0	99.1	99.2	99.2
≥ 300	54.7	96.3	98.0	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.2	99.3	99.3
≥ 200	54.7	96.3	98.0	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.2	99.3	99.3
≥ 100	54.7	96.3	98.0	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.3	99.3	99.3
0	54.7	96.3	98.0	98.7	98.8	98.8	98.9	98.9	98.9	99.1	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

MAY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	15.3	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 20000	17.4	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 18000	17.4	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 14000	17.4	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
AI 12000	18.1	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
AI 10000	18.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
AI 8000	19.4	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
AI 7000	20.0	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
AI 6000	20.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 5000	21.3	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
AI 4500	21.9	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
AI 4000	21.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 3500	23.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
AI 3000	23.9	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
AI 2500	23.9	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
AI 2000	23.9	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
AI 1800	23.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
AI 1500	23.9	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 1200	23.9	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 1000	23.9	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 900	23.9	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 800	23.9	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 700	23.9	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
AI 600	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 500	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 400	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 300	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 200	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
AI 100	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	23.9	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	16.8	29.0	29.0	29.7	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000	18.7	34.2	34.2	34.8	34.8	35.5	35.5	35.5	35.5	35.5	36.1	36.1	36.1
≥ 18000	18.7	34.2	34.2	34.8	34.8	35.5	35.5	35.5	35.5	35.5	36.1	36.1	36.1
≥ 16000	18.7	34.2	34.2	34.8	34.8	35.5	35.5	35.5	35.5	35.5	36.1	36.1	36.1
≥ 14000	19.4	34.8	34.8	35.5	35.5	36.1	36.1	36.1	36.1	36.1	36.8	36.8	36.8
≥ 12000	21.9	38.1	38.1	38.7	38.7	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.0
≥ 10000	22.6	39.4	39.4	40.0	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3
≥ 9000	22.6	39.4	39.4	40.0	40.0	40.7	40.7	40.7	40.7	41.3	41.3	41.3	41.3
8000	23.9	43.9	43.9	44.5	44.5	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8
7000	23.9	43.9	43.9	44.5	44.5	45.2	45.2	45.2	45.2	45.8	45.8	45.8	45.8
6000	23.9	47.1	47.1	47.7	47.7	48.4	48.4	48.4	48.4	49.0	49.0	49.0	49.0
5000	23.9	50.3	50.3	51.0	51.0	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
4500	23.9	51.6	52.3	52.9	52.9	53.6	53.6	53.6	53.6	54.2	54.2	54.2	54.2
4000	25.8	60.7	61.3	61.9	61.9	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2
3500	26.5	64.5	65.2	65.8	65.8	66.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1
3000	27.7	72.9	73.6	74.2	74.2	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5
2500	28.4	76.8	78.1	78.7	78.7	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0
2000	30.3	82.6	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
1800	30.3	84.5	85.8	86.5	86.5	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7
1500	30.3	87.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
1200	30.3	89.0	91.0	91.6	91.6	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9
1000	30.3	89.7	91.6	92.3	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
900	30.3	89.7	91.6	92.3	92.3	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
800	30.3	90.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2
700	30.3	91.0	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8
600	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
500	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
400	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
300	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
200	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
100	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1
0	30.3	92.3	94.2	94.8	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	23.2	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.1	27.1
≥ 20000	25.8	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.7	29.7
≥ 18000	27.1	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.6	31.6
≥ 16000	27.1	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.6	31.6
≥ 14000	29.0	32.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.6	33.6
≥ 12000	30.3	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8
≥ 10000	34.8	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0
≥ 9000	34.8	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0
≥ 8000	41.3	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1	47.1
≥ 7000	42.6	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4	48.4
≥ 6000	43.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7	49.7
≥ 5000	47.1	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6	53.6
≥ 4500	48.4	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.8	54.8
≥ 4000	52.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6
≥ 3500	55.5	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1
≥ 3000	56.1	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 2500	60.7	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0	80.0
≥ 2000	63.9	81.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5
≥ 1800	63.9	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8
≥ 1500	63.9	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 1200	64.5	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6
≥ 1000	64.5	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 900	64.5	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8
≥ 800	64.5	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 700	64.5	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 600	64.5	91.6	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 500	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 400	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 300	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 200	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 100	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 0	64.5	92.3	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L. S. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	32.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 18000	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 16000	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 14000	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 9000	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 8000	52.9	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	52.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 6000	54.8	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	58.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	60.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4000	63.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	65.2	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	71.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	72.3	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	74.8	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800	74.8	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	75.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200	75.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	75.5	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	75.5	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	75.5	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	38.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	51.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	51.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	54.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	61.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	65.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	67.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	67.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	69.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	69.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	71.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	71.6	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	76.8	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	77.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2000	78.7	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	78.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	79.4	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	79.4	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	79.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NO

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	40.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	53.6	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 14000	54.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 12000	56.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 10000	61.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	62.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	66.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 7000	67.1	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	68.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	71.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	72.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	76.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	76.8	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	80.0	94.2	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	80.0	94.8	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	80.7	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	80.7	96.1	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	80.7	96.8	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	80.7	97.4	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	80.7	98.1	98.1	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	43.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 16000	50.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000	51.0	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	54.2	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	57.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	57.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	65.8	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	66.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	68.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	69.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	71.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000	75.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500	76.8	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	76.8	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	78.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2000	78.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800	78.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	78.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	20.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	23.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 18000	23.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 16000	23.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
AI 14000	23.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
AI 12000	23.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
AI 10000	24.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
AI 9000	25.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
AI 8000	25.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 7000	25.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
AI 6000	25.8	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
AI 5000	27.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 4500	27.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 4000	27.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 3500	28.4	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
AI 3000	28.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
AI 2500	28.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
AI 2000	28.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 1800	28.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 1500	28.4	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
AI 1200	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1000	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 900	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 800	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 700	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 600	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 500	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 400	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 300	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 200	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 100	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 0	28.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.0	36.4	36.5	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.9	36.9	36.9
≥ 20000	34.5	43.6	43.7	43.8	43.8	43.9	43.9	43.9	43.9	44.0	44.0	44.1	44.1	44.2
≥ 18000	35.2	44.4	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.8	44.8	44.9	44.9	45.0
≥ 16000	35.4	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.1	45.1	45.2
≥ 14000	36.4	46.0	46.1	46.2	46.2	46.3	46.3	46.3	46.3	46.4	46.4	46.5	46.5	46.6
≥ 12000	38.0	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.8	48.8	49.0	49.0	49.0
≥ 10000	41.1	52.8	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.4	53.4	53.5
≥ 9000	41.5	53.4	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.8	53.8	54.0	54.0	54.0
≥ 8000	45.0	60.0	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.4	60.4	60.6	60.6	60.7
≥ 7000	45.7	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.3
≥ 6000	46.6	63.3	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.9	63.9	64.0
≥ 5000	48.6	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.3	68.3	68.5	68.5	68.6
≥ 4500	49.4	69.6	69.8	69.9	69.9	70.0	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.3
≥ 4000	51.9	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3	76.4
≥ 3500	53.0	78.9	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.6	79.6	79.8	79.8	79.8
≥ 3000	55.2	84.7	85.1	85.2	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.7	85.7	85.7
≥ 2500	56.1	87.7	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8	89.0	89.0	89.0
≥ 2000	57.3	91.1	91.9	92.0	92.1	92.2	92.2	92.2	92.2	92.3	92.3	92.4	92.4	92.5
≥ 1800	57.3	92.3	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.6	93.6	93.7
≥ 1500	57.5	93.6	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.3
≥ 1200	57.6	94.8	96.0	96.1	96.2	96.3	96.3	96.3	96.3	96.4	96.4	96.5	96.5	96.6
≥ 1000	57.6	95.6	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.4	97.5
≥ 900	57.6	95.7	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.7	97.7	97.8
≥ 800	57.6	95.9	97.2	97.5	97.7	97.7	97.7	97.8	97.8	97.9	97.9	98.1	98.1	98.2
≥ 700	57.6	96.0	97.3	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.2	98.2	98.2
≥ 600	57.6	96.2	97.5	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.4	98.4	98.5
≥ 500	57.6	96.3	97.6	97.9	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.6	98.6	98.6
≥ 400	57.6	96.3	97.6	97.9	98.2	98.4	98.5	98.6	98.6	98.6	98.6	99.0	99.0	99.0
≥ 300	57.6	96.3	97.6	97.9	98.2	98.4	98.5	98.6	98.6	98.6	98.8	99.1	99.1	99.2
≥ 200	57.6	96.3	97.6	97.9	98.2	98.4	98.5	98.6	98.6	98.6	98.8	99.1	99.1	99.2
≥ 100	57.6	96.3	97.6	97.9	98.2	98.4	98.6	98.7	98.7	98.9	99.0	99.5	99.5	99.8
≥ 0	57.6	96.3	97.6	97.9	98.2	98.4	98.6	98.7	98.7	98.9	99.0	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	17.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	18.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 18000	18.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	18.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	18.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 12000	19.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	19.3	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	19.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
8000	22.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
7000	22.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
6000	23.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
5000	23.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
4500	23.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4000	24.7	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3500	26.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
3000	26.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2500	26.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2000	26.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1800	26.7	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1500	26.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1200	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1000	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
900	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
800	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
700	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
600	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
500	26.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
400	26.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300	26.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200	26.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100	26.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	26.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	20.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	22.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 18000	22.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 16000	22.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 14000	23.3	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 12000	24.7	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 10000	25.3	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	25.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	26.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 7000	26.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 6000	26.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 5000	30.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4500	30.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4000	32.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3500	33.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3000	34.7	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 2500	35.3	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	37.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	37.3	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	38.0	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	39.3	87.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	39.3	88.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	39.3	88.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 800	39.3	88.7	92.7	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	39.3	88.7	92.7	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	39.3	88.7	92.7	92.7	92.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	39.3	89.3	93.3	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	39.3	89.3	94.0	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	39.3	89.3	94.0	94.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	39.3	89.3	94.7	94.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	39.3	89.3	94.7	94.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3
0	39.3	89.3	94.7	94.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	20.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.7	25.3
≥ 20000	25.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.3	30.7
≥ 18000	25.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.3	30.7
≥ 16000	25.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	29.3	30.7
≥ 14000	26.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	31.3	32.0
≥ 12000	26.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	30.7	31.3	32.7
≥ 10000	31.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	37.3	38.0
≥ 9000	31.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	37.3	38.0
≥ 8000	33.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	40.0	41.3
≥ 7000	36.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	43.3	44.0
≥ 6000	38.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	45.3	46.0
≥ 5000	39.3	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	47.3	48.0
≥ 4500	40.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	49.3	50.0
≥ 4000	46.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	57.3	58.0
≥ 3500	46.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	60.0	61.3
≥ 3000	53.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3	68.7
≥ 2500	58.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3	74.7
≥ 2000	62.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	82.7
≥ 1800	63.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	83.3	84.0
≥ 1500	64.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	83.3	84.7
≥ 1200	64.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	87.3	88.7
≥ 1000	64.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.7	92.0
≥ 900	64.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.7	92.0
≥ 800	64.0	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	91.3	92.7
≥ 700	64.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.7
≥ 600	64.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	93.3	95.3
≥ 500	64.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	93.3	95.3
≥ 400	64.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	93.3	95.3
≥ 300	64.0	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.3	97.3
≥ 200	64.0	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.3	97.3
≥ 100	64.0	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.3	97.3
0	64.0	91.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	95.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH10
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	33.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 20000	38.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	38.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000	38.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 14000	40.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 12000	41.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	42.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 9000	42.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 8000	46.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 7000	48.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	50.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	53.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500	54.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	58.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 3500	60.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 3000	64.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	68.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	71.3	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	71.3	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	74.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1200	75.3	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	75.3	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	75.3	90.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	75.3	91.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	75.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	75.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 500	75.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	76.0	93.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	76.0	93.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	76.0	93.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	76.0	93.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	76.0	93.3	95.3	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	37.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000	44.7	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	45.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	45.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 14000	46.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	49.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	54.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
8000	60.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
7000	62.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
6000	62.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
5000	64.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
4500	66.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
4000	70.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
3500	71.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3000	72.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
2500	73.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2000	74.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1800	74.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1500	74.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
1200	76.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	76.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	41.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	48.0	48.0	48.0
≥ 20000	52.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.3	59.3	59.3
≥ 18000	53.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.0
≥ 16000	53.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.0
≥ 14000	54.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7
≥ 12000	57.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0	64.0
≥ 10000	61.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.3	69.3	69.3
≥ 9000	62.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0
8000	64.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.0	74.0
7000	66.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7
6000	66.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	77.3	77.3	77.3
5000	72.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7
4500	73.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0
4000	75.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.7	88.7
3500	75.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7	90.7
3000	76.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0
2500	78.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0
2000	78.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
1800	78.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
1500	78.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7
1200	78.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7
1000	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
900	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
800	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
700	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
600	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
500	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
400	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
300	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
200	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
100	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3
0	78.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

19
HOURS (L & T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	45.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	50.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 18000	50.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000	51.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	52.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	54.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	56.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	58.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000	64.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	66.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	68.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 5000	72.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	74.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	80.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	80.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 3000	81.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2500	82.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	84.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	84.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	84.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	84.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1000	84.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	84.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	84.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	28.0	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	29.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	29.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 16000	29.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000	30.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	31.3	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	32.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	34.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000	36.0	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 7000	36.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 6000	37.3	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 5000	37.3	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4500	37.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4000	38.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	38.7	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 3000	39.3	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	39.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	40.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	40.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	40.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200	40.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	40.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	40.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	40.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	40.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	40.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	40.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	40.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	40.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	40.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	40.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	40.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	30.4	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.4	41.5	41.5
≥ 20000	35.2	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.4	47.5	47.5
18000	35.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.6	47.7	47.8	47.8
16000	35.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.7	47.8	47.8	47.8
14000	36.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.8	48.9	48.9	48.9
12000	38.1	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.1	51.2	51.3	51.3
10000	40.3	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.3	54.4	54.4	54.4
9000	40.9	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.1	55.2	55.3	55.3
8000	44.3	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.0	60.1	60.1	60.1
7000	45.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	62.0	62.1	62.1	62.1
6000	46.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.9	64.0	64.0	64.0
5000	49.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.5	67.6	67.7	67.7
4500	50.0	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.1	69.2	69.2
4000	53.1	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.4	74.5	74.5	74.5
3500	54.3	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.5	76.6	76.7	76.7
3000	56.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4	81.5	81.6	81.7	81.7
2500	57.8	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.3	85.4	85.4	85.4
2000	59.5	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.2	90.3	90.3	90.3
1800	59.6	90.1	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.9	91.0	91.0	91.0
1500	60.2	91.6	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.6	92.7	92.8	92.8
1200	60.6	93.3	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.5	94.5	94.6	94.7	94.8	94.8
1000	60.6	94.1	95.1	95.3	95.4	95.5	95.7	95.7	95.7	95.8	95.8	95.9	96.0	96.0	96.0
900	60.6	94.3	95.3	95.5	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.1	96.2	96.3	96.3
800	60.6	94.6	95.7	95.8	96.1	96.2	96.4	96.4	96.4	96.5	96.5	96.6	96.7	96.8	96.8
700	60.6	94.8	95.8	96.0	96.3	96.3	96.6	96.6	96.6	96.7	96.7	96.8	96.9	96.9	96.9
600	60.6	94.8	96.0	96.2	96.4	96.5	96.8	96.8	96.8	96.9	96.9	97.0	97.1	97.2	97.2
500	60.6	95.0	96.2	96.4	96.8	96.9	97.2	97.2	97.2	97.3	97.3	97.4	97.5	97.6	97.6
400	60.7	95.2	96.6	96.8	97.2	97.3	97.6	97.6	97.6	97.7	97.7	97.8	98.0	98.1	98.1
300	60.7	95.3	96.8	97.3	97.6	97.8	98.0	98.1	98.1	98.2	98.3	98.3	98.5	98.6	98.6
200	60.7	95.3	96.9	97.5	97.8	98.0	98.4	98.5	98.5	98.6	98.9	99.0	99.3	99.4	99.6
100	60.7	95.3	96.9	97.5	97.8	98.0	98.5	98.7	98.7	98.8	99.1	99.2	99.5	99.7	99.9
0	60.7	95.3	96.9	97.5	97.8	98.0	98.5	98.7	98.7	98.8	99.1	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	18.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 20000	18.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	18.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	18.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	18.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	19.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	20.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 9000	20.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	21.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	21.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	21.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	21.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	22.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	22.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3500	22.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	23.2	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	23.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	23.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1800	23.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	23.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1200	23.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	23.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	23.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	23.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	23.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 600	23.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	23.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 400	23.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 300	23.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	23.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	23.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0	23.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

04

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	23.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	23.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3
≥ 18000	23.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3
≥ 16000	23.9	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	41.3
≥ 14000	23.9	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	24.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	43.2
≥ 10000	25.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5
≥ 9000	25.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	47.1
≥ 8000	27.1	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	50.3
≥ 7000	27.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0
≥ 6000	27.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.6
≥ 5000	29.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	60.0
≥ 4500	29.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9
≥ 4000	31.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7
≥ 3500	32.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9
≥ 3000	32.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1
≥ 2500	32.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 2000	34.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.9
≥ 1800	34.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9
≥ 1500	34.8	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.2
≥ 1200	34.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5
≥ 1000	34.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	88.4
≥ 900	34.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4
≥ 800	34.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0
≥ 700	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.6
≥ 600	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
≥ 500	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
≥ 400	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
≥ 300	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
≥ 200	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
≥ 100	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6
0	34.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	91.6

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIOBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	26.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.8
≥ 20000	29.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.4	39.4	39.4	40.0
≥ 18000	29.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.4	39.4	39.4	40.0
≥ 16000	29.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.4	39.4	39.4	40.0
≥ 14000	29.7	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	40.0	40.0	40.0	40.7
≥ 12000	31.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6	43.2
≥ 10000	32.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	45.2
≥ 9000	33.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.2	45.2	45.2	45.8
≥ 8000	35.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4	49.0
≥ 7000	38.1	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	52.3
≥ 6000	40.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.8	54.8	54.8	55.5
≥ 5000	43.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	61.3
≥ 4500	43.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.9	61.9	61.9	62.6
≥ 4000	46.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	66.5	66.5	66.5	67.1
≥ 3500	49.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	72.3
≥ 3000	52.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	78.1
≥ 2500	53.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	79.4
≥ 2000	54.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	81.3
≥ 1800	54.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.9
≥ 1500	56.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.9
≥ 1200	56.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	86.5
≥ 1000	56.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.5	86.5	86.5	87.7
≥ 900	56.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1	87.1	87.7
≥ 800	56.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.7	87.7	87.7	88.4
≥ 700	57.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	88.4	88.4	88.4	89.0
≥ 600	57.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	89.0
≥ 500	57.4	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.7
≥ 400	57.4	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	90.3	90.3	90.3	91.0
≥ 300	57.4	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	90.3	90.3	90.3	91.6
≥ 200	57.4	87.7	88.4	89.0	89.0	89.0	89.0	89.0	89.0	90.3	90.3	90.3	92.3
≥ 100	57.4	88.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	91.6	91.6	91.6	92.9
≥ 0	57.4	88.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	91.6	91.6	91.6	92.9

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	34.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	39.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
18000	40.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	40.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
14000	41.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 12000	41.9	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
10000	44.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	45.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
8000	49.0	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	49.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
6000	50.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5000	51.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4500	54.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
4000	59.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
3500	60.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
3000	63.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2500	65.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2000	68.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1800	68.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
1500	68.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1200	68.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1000	68.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
900	68.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
800	69.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
700	69.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
600	69.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
500	69.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
400	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
300	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
200	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
100	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
0	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	43.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	50.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	50.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	50.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	51.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000	52.9	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	55.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 9000	56.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	58.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	60.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	61.9	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	65.2	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	65.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	67.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3500	71.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	72.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	74.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	74.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	74.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	74.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	74.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	74.2	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
0	74.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	48.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 20000	57.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	57.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	57.4	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	59.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	61.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	63.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000	64.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	67.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000	69.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	71.0	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	76.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500	76.1	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	76.8	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	78.1	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	80.0	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	80.0	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	81.3	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMVOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	58.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18000	58.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
16000	58.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
14000	59.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
12000	63.9	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
10000	69.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
9000	69.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
8000	72.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
7000	74.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
6000	74.8	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
5000	79.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4500	80.0	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
4000	81.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
3500	81.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3000	84.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2500	85.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
2000	85.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	85.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ½
NO CEILING	25.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	25.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	25.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	25.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	25.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	26.5	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	28.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	28.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 8000	29.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	29.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	29.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	29.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	29.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	31.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 3500	31.0	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3000	31.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	31.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	31.6	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1800	31.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	31.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	31.6	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	31.6	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	31.6	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	31.6	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	31.6	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	31.6	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	31.6	96.8	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	31.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	31.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	31.6	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	31.6	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	31.6	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

24255

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

CEILING VERSUS VISIBILITY

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	33.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
≥ 20000	37.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.2	54.2	54.3	54.4
18000	37.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.7	54.8
16000	37.9	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.7	54.8
14000	38.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8
12000	40.3	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	58.0	58.1
10000	42.7	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.4	62.4
9000	43.2	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.9	63.0
8000	44.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.5	66.6
7000	46.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7	68.8
6000	47.2	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.2	70.2
5000	49.5	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.7	74.8
4500	50.2	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.9	76.9
4000	52.0	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.9	80.9
3500	53.2	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.6	83.6
3000	55.2	86.7	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.2	87.2	87.2	87.4	87.4
2500	55.7	88.3	88.6	88.6	88.7	88.7	88.7	88.8	88.8	88.9	88.9	88.9	89.0	89.1
2000	56.7	90.6	90.8	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.3	91.4
1800	56.7	91.1	91.4	91.4	91.5	91.5	91.5	91.6	91.6	91.7	91.7	91.7	91.9	91.9
1500	56.9	91.9	92.2	92.2	92.3	92.3	92.3	92.4	92.4	92.5	92.5	92.5	92.7	92.7
1200	56.9	92.5	92.9	92.9	93.2	93.2	93.2	93.3	93.3	93.4	93.4	93.4	93.6	93.6
1000	57.0	92.8	93.3	93.4	93.8	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.1	94.2
900	57.2	93.2	93.7	93.8	94.2	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.5	94.6
800	57.3	93.6	94.2	94.3	94.8	94.8	94.8	95.1	95.1	95.2	95.2	95.2	95.3	95.4
700	57.3	93.8	94.4	94.5	95.1	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.6	95.7
600	57.3	94.0	94.6	94.7	95.2	95.2	95.2	95.5	95.5	95.7	95.7	95.7	95.8	95.9
500	57.3	94.1	94.8	95.0	95.7	95.7	95.7	95.9	95.9	96.1	96.1	96.1	96.3	96.4
400	57.3	94.4	95.2	95.3	96.0	96.0	96.0	96.2	96.2	96.5	96.5	96.5	96.7	96.9
300	57.3	94.6	95.4	95.7	96.4	96.4	96.5	96.7	96.7	96.9	97.0	97.0	97.3	97.5
200	57.3	94.8	95.6	95.8	96.9	96.9	96.9	97.3	97.3	97.7	97.7	97.7	98.6	98.9
100	57.3	94.8	95.7	95.9	97.0	97.0	97.2	97.6	97.6	98.1	98.1	98.1	99.5	99.8
0	57.3	94.8	95.7	95.9	97.0	97.0	97.2	97.6	97.6	98.1	98.1	98.1	99.5	99.8

1240

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	15.5	45.2	45.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 20000	15.5	47.7	47.7	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	15.5	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	15.5	48.4	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 14000	15.5	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 12000	15.5	49.0	49.0	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	16.1	51.6	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 9000	16.1	52.3	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 8000	16.1	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	16.1	54.2	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000	16.1	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 5000	16.1	58.7	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4500	16.8	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4000	16.8	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 3500	16.8	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3000	16.8	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2500	16.8	69.0	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2000	16.8	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 1800	16.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500	16.8	77.4	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	16.8	79.4	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1000	16.8	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 900	16.8	80.0	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	16.8	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 700	16.8	81.9	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 600	16.8	81.9	82.6	82.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 500	16.8	82.6	83.2	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 400	16.8	83.9	84.5	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 300	16.8	85.2	85.8	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 200	16.8	85.8	87.1	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 100	16.8	85.8	87.1	87.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 0	16.8	85.8	87.1	87.1	90.3	90.3	91.6	91.6	92.9	92.9	92.9	93.6	96.1
	16.8	85.8	87.1	87.1	90.3	90.3	91.6	91.6	93.6	93.6	93.6	94.2	97.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	12.9	29.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7	31.0	31.0	31.0	31.0
≥ 20000	14.2	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	32.9	32.9	32.9	32.9
≥ 18000	14.2	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	32.9	32.9	32.9	32.9
≥ 16000	14.2	31.0	31.6	31.6	31.6	31.6	31.6	31.6	31.6	32.9	32.9	32.9	32.9
≥ 14000	14.2	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	33.6	33.6	33.6	33.6
≥ 12000	14.2	32.9	33.6	33.6	33.6	33.6	34.2	34.2	34.2	35.5	35.5	35.5	35.5
≥ 10000	15.5	34.2	34.8	34.8	34.8	34.8	35.5	35.5	35.5	36.8	36.8	36.8	36.8
≥ 9000	16.1	34.8	35.5	35.5	35.5	35.5	36.1	36.1	36.1	37.4	37.4	37.4	37.4
≥ 8000	16.8	36.1	36.8	36.8	36.8	36.8	37.4	37.4	37.4	38.7	38.7	38.7	38.7
≥ 7000	16.8	36.1	36.8	36.8	36.8	36.8	37.4	37.4	37.4	38.7	38.7	38.7	38.7
≥ 6000	16.8	37.4	38.1	38.1	38.1	38.1	38.7	38.7	38.7	40.0	40.0	40.0	40.0
≥ 5000	16.8	41.3	41.9	41.9	41.9	41.9	42.6	42.6	42.6	43.9	43.9	43.9	43.9
≥ 4500	16.8	42.6	43.2	43.2	43.2	43.2	43.9	43.9	43.9	45.2	45.2	45.2	45.2
≥ 4000	16.8	46.5	47.7	47.7	47.7	47.7	48.4	48.4	48.4	49.7	49.7	49.7	49.7
≥ 3500	16.8	47.1	48.4	48.4	48.4	48.4	49.0	49.0	49.0	50.3	50.3	50.3	50.3
≥ 3000	16.8	49.0	50.3	50.3	50.3	50.3	51.0	51.0	51.0	52.3	52.3	52.3	52.3
≥ 2500	16.8	51.6	52.9	52.9	52.9	52.9	53.6	53.6	53.6	54.8	54.8	54.8	54.8
≥ 2000	16.8	55.5	56.8	56.8	56.8	56.8	57.4	57.4	57.4	58.7	58.7	58.7	58.7
≥ 1800	16.8	55.5	56.8	56.8	56.8	56.8	57.4	57.4	57.4	58.7	58.7	58.7	58.7
≥ 1500	17.4	63.2	64.5	64.5	64.5	64.5	65.2	65.2	65.2	66.5	66.5	66.5	66.5
≥ 1200	17.4	65.8	67.1	67.1	67.1	67.1	67.7	67.7	67.7	69.0	69.0	69.0	69.0
≥ 1000	17.4	69.0	71.0	71.0	71.0	71.0	71.6	71.6	71.6	72.9	72.9	72.9	72.9
≥ 900	17.4	70.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	74.2	74.2	74.2	74.2
≥ 800	17.4	72.9	76.8	76.8	76.8	76.8	77.4	77.4	77.4	78.7	78.7	78.7	78.7
≥ 700	18.1	73.6	77.4	77.4	77.4	77.4	78.1	78.1	78.1	79.4	79.4	79.4	79.4
≥ 600	18.1	73.6	77.4	77.4	77.4	77.4	78.1	78.1	78.1	79.4	79.4	79.4	79.4
≥ 500	18.1	75.5	79.4	79.4	79.4	79.4	80.0	80.0	80.0	81.3	81.3	81.3	81.3
≥ 400	18.1	75.5	79.4	79.4	79.4	79.4	80.0	80.0	80.0	81.3	81.3	81.3	81.3
≥ 300	18.1	76.1	81.3	81.3	81.3	81.3	81.9	81.9	81.9	83.2	83.2	83.2	83.2
≥ 200	18.1	76.1	81.3	81.3	81.3	81.3	81.9	81.9	81.9	83.2	83.2	83.2	83.2
≥ 100	18.1	76.1	82.6	82.6	82.6	82.6	83.2	83.2	83.2	84.5	84.5	84.5	84.5
≥ 0	18.1	76.1	82.6	82.6	82.6	82.6	83.2	83.2	83.2	84.5	84.5	84.5	84.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG
MONTH

07

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	20.0	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 20000	20.7	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 18000	20.7	26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 16000	20.7	26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 14000	21.3	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 12000	21.9	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 10000	22.6	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 9000	22.6	29.7	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 8000	22.6	31.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 7000	23.2	33.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 6000	23.9	34.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 5000	24.5	36.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 4500	25.8	38.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 4000	27.7	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 3500	28.4	43.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 3000	29.0	45.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 2500	30.3	49.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 2000	30.3	52.9	55.5	55.5	55.5	55.5	56.1	56.1	56.1	56.1	56.1	56.1
≥ 1800	30.3	54.2	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4
≥ 1500	31.0	57.4	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	60.7
≥ 1200	31.6	60.7	63.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5
≥ 1000	31.6	65.2	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3
≥ 900	31.6	65.8	70.3	70.3	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 800	31.6	70.3	74.8	74.8	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1
≥ 700	31.6	71.0	75.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 600	31.6	71.6	76.1	76.1	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 500	32.3	72.3	76.8	76.8	78.7	78.7	79.4	80.0	80.0	80.0	80.0	80.0
≥ 400	32.3	73.6	78.1	78.1	80.7	80.7	81.3	82.6	82.6	82.6	83.2	83.2
≥ 300	32.3	75.5	80.0	80.0	82.6	82.6	83.2	84.5	84.5	84.5	85.2	85.2
≥ 200	32.3	75.5	80.0	80.0	83.2	83.2	83.9	85.8	85.8	86.5	88.4	88.4
≥ 100	32.3	75.5	80.0	80.0	83.2	83.2	83.9	85.2	86.5	87.7	90.3	90.3
0	32.3	75.5	80.0	80.0	83.2	83.2	83.9	85.2	86.5	87.7	91.0	93.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	27.1	34.2	34.2	34.8	34.8	34.8	34.8	34.8	35.5	35.5	35.5
≥ 20000	28.4	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.7	38.7	38.7
≥ 18000	28.4	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.7	38.7	38.7
≥ 16000	28.4	37.4	37.4	38.1	38.1	38.1	38.1	38.1	38.7	38.7	38.7
≥ 14000	28.4	37.4	38.1	38.7	38.7	38.7	38.7	38.7	39.4	39.4	39.4
≥ 12000	29.0	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.7	40.7	40.7
≥ 10000	29.7	40.7	41.3	41.9	41.9	41.9	41.9	41.9	42.6	42.6	42.6
≥ 9000	31.0	41.9	42.6	43.2	43.2	43.2	43.2	43.2	43.9	43.9	43.9
≥ 8000	32.3	43.9	44.5	45.2	45.2	45.2	45.2	45.2	45.8	45.8	45.8
≥ 7000	32.9	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.7	47.7	47.7
≥ 6000	32.9	46.5	47.1	47.7	47.7	47.7	47.7	47.7	48.4	48.4	48.4
≥ 5000	33.6	49.0	49.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0
≥ 4500	33.6	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6
≥ 4000	35.5	51.6	52.3	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6
≥ 3500	36.1	54.8	55.5	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8
≥ 3000	36.8	56.8	58.1	58.7	59.4	59.4	59.4	59.4	60.0	60.0	60.0
≥ 2500	37.4	60.0	61.3	61.9	62.6	62.6	62.6	62.6	63.2	63.2	63.2
≥ 2000	37.4	62.6	63.9	64.5	65.8	65.8	65.8	65.8	66.5	66.5	66.5
≥ 1800	38.7	65.2	66.5	67.1	68.4	68.4	68.4	68.4	69.0	69.0	69.0
≥ 1500	38.7	69.7	71.0	71.6	72.9	72.9	72.9	72.9	73.6	73.6	73.6
≥ 1200	38.7	73.6	74.8	75.5	76.8	76.8	76.8	76.8	77.4	77.4	77.4
≥ 1000	39.4	79.4	81.3	82.6	84.5	84.5	84.5	84.5	85.8	85.8	85.8
≥ 900	39.4	80.0	81.9	83.2	85.2	85.2	85.2	85.2	86.5	86.5	86.5
≥ 800	39.4	81.9	84.5	85.8	87.7	88.4	88.4	88.4	89.7	89.7	89.7
≥ 700	39.4	81.9	84.5	85.8	87.7	88.4	88.4	88.4	89.7	89.7	89.7
≥ 600	39.4	82.6	85.2	86.5	88.4	89.0	89.0	89.0	90.3	90.3	90.3
≥ 500	40.0	83.2	85.8	87.1	89.0	89.7	89.7	89.7	91.6	91.6	91.6
≥ 400	40.0	83.2	85.8	87.1	89.0	89.7	90.3	90.3	92.9	92.9	92.9
≥ 300	40.0	83.2	86.5	87.7	91.0	91.6	92.3	92.3	94.8	94.8	94.8
≥ 200	40.0	83.2	86.5	87.7	91.0	91.6	92.3	92.3	94.8	94.8	94.8
≥ 100	40.0	83.2	86.5	87.7	91.0	91.6	92.3	92.3	94.8	94.8	94.8
0	40.0	83.2	86.5	87.7	91.0	91.6	92.3	92.3	94.8	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	41.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3	52.3	52.3	52.3
≥ 20000	44.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4	57.4
≥ 18000	44.5	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7	58.7	58.7
≥ 16000	45.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4	59.4	59.4
≥ 14000	45.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7
≥ 12000	45.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7
≥ 10000	45.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6
≥ 9000	45.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6
≥ 8000	49.0	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4
≥ 7000	49.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0
≥ 6000	49.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	69.0	69.0	69.0	69.0
≥ 5000	49.7	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3
≥ 4500	50.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2	74.2
≥ 4000	51.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1	76.1	76.1
≥ 3500	51.0	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.4	77.4	77.4	77.4
≥ 3000	51.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.7	78.7	78.7	78.7
≥ 2500	51.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 2000	52.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 1800	52.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
≥ 1500	52.9	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0
≥ 1200	53.6	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 1000	54.2	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8
≥ 900	54.2	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.8	94.8	94.8	94.8
≥ 800	54.2	92.3	92.9	94.2	95.5	95.5	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4
≥ 700	54.2	92.3	92.9	94.2	95.5	95.5	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4
≥ 600	54.2	92.9	93.6	94.8	96.1	96.1	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1
≥ 500	54.2	92.9	93.6	95.5	96.8	96.8	98.1	98.1	98.1	98.1	99.4	99.4	99.4	99.4
≥ 400	54.2	92.9	93.6	95.5	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 300	54.2	92.9	93.6	95.5	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 200	54.2	92.9	93.6	95.5	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0
≥ 100	54.2	92.9	93.6	95.5	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0
0	54.2	92.9	93.6	95.5	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	45.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 20000	49.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
AI 18000	49.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 16000	49.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 14000	50.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
AI 12000	51.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
AI 10000	53.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
AI 9000	53.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
AI 8000	54.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
AI 7000	54.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 6000	54.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
AI 5000	55.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
AI 4500	55.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
AI 4000	56.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
AI 3500	57.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
AI 3000	57.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AI 2500	57.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
AI 2000	58.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
AI 1800	58.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
AI 1500	58.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
AI 1200	58.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 1000	58.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 900	58.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 800	58.7	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
AI 700	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 600	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 500	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 400	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 300	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 200	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 100	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
AI 0	58.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	43.2	51.6	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6
≥ 20000	49.7	58.7	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7
18000	51.6	60.7	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6
≥ 16000	51.6	60.7	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6
14000	52.3	61.3	62.6	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2
≥ 12000	52.9	62.6	63.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5
10000	53.6	65.8	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7
≥ 9000	53.6	65.8	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7
8000	56.8	71.6	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6	73.6
≥ 7000	56.8	73.6	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5
6000	58.7	76.1	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1
≥ 5000	59.4	77.4	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4
4500	60.0	80.0	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9
4000	61.9	83.2	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2
3500	63.2	84.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1
3000	63.2	85.8	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0
2500	63.2	89.7	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9
2000	63.2	89.7	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9
1800	63.2	91.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8
1500	63.2	92.9	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1
1200	63.2	93.6	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
1000	63.2	93.6	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
900	63.2	93.6	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1
800	63.2	93.6	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1
700	63.2	94.2	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7
600	63.2	94.2	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7
500	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
400	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
300	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
200	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
100	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4
0	63.2	94.2	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	16.1	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	17.4	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	17.4	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 16000	17.4	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 14000	17.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 12000	17.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	17.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	17.4	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
8000	17.4	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
7000	17.4	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
6000	17.4	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
5000	17.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4500	17.4	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4000	17.4	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500	18.1	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3000	19.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
2500	19.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000	19.4	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
1800	19.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1500	19.4	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1200	19.4	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1000	19.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
900	19.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
800	19.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
700	19.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
600	19.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
500	19.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
400	19.4	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
300	19.4	90.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
200	19.4	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
100	19.4	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
0	19.4	91.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	27.8	42.4	42.8	42.9	43.0	43.0	43.1	43.1	43.1	43.3	43.4	43.4	43.4
≥ 20000	29.9	46.5	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.3	47.4	47.4	47.4
≥ 18000	30.2	47.3	47.7	47.7	47.8	47.8	47.9	47.9	47.9	48.2	48.2	48.2	48.2
≥ 16000	30.3	47.3	47.7	47.6	47.9	47.9	48.0	48.0	48.0	48.2	48.3	48.3	48.3
≥ 14000	30.6	48.5	49.0	49.0	49.1	49.1	49.2	49.2	49.2	49.4	49.5	49.5	49.5
≥ 12000	31.0	49.3	49.8	49.8	49.9	49.9	50.1	50.1	50.1	50.3	50.4	50.4	50.4
≥ 10000	31.8	51.4	51.9	51.9	52.0	52.0	52.2	52.2	52.2	52.4	52.5	52.5	52.5
≥ 9000	32.0	51.9	52.4	52.5	52.6	52.6	52.7	52.7	52.7	53.0	53.1	53.1	53.1
≥ 8000	33.2	54.8	55.4	55.5	55.6	55.6	55.7	55.7	55.7	56.0	56.1	56.1	56.1
≥ 7000	33.3	56.1	56.7	56.8	56.9	56.9	57.0	57.0	57.0	57.3	57.3	57.3	57.3
≥ 6000	33.4	56.9	57.4	57.5	57.6	57.6	57.7	57.7	57.7	58.1	58.1	58.1	58.1
≥ 5000	34.0	59.9	60.5	60.6	60.7	60.7	60.8	60.8	60.8	61.1	61.1	61.1	61.1
≥ 4500	34.4	61.0	61.5	61.6	61.7	61.7	61.9	61.9	61.9	62.1	62.2	62.2	62.2
≥ 4000	35.2	64.3	64.9	65.0	65.1	65.1	65.2	65.2	65.2	65.5	65.6	65.6	65.6
≥ 3500	35.8	66.3	67.0	67.2	67.3	67.3	67.4	67.4	67.4	67.7	67.7	67.7	67.7
≥ 3000	36.4	68.6	69.5	69.7	69.8	69.8	70.0	70.0	70.0	70.2	70.3	70.3	70.3
≥ 2500	36.6	70.6	71.6	71.8	71.9	71.9	72.1	72.1	72.1	72.3	72.4	72.4	72.4
≥ 2000	36.9	73.6	74.7	74.8	75.1	75.1	75.3	75.3	75.3	75.6	75.7	75.7	75.7
≥ 1800	37.1	74.4	75.5	75.7	75.9	75.9	76.1	76.1	76.1	76.4	76.5	76.5	76.5
≥ 1500	37.3	78.2	79.4	79.6	79.8	79.8	80.1	80.1	80.1	80.3	80.4	80.4	80.4
≥ 1200	37.4	80.7	81.9	82.2	82.4	82.4	82.7	82.7	82.7	82.9	83.0	83.0	83.0
≥ 1000	37.6	82.9	84.7	85.1	85.4	85.4	85.7	85.7	85.7	86.1	86.2	86.2	86.2
≥ 900	37.6	83.3	85.1	85.5	85.9	85.9	86.2	86.2	86.2	86.5	86.7	86.7	86.7
≥ 800	37.6	84.8	86.9	87.4	88.1	88.2	88.6	88.6	88.6	88.9	89.0	89.0	89.0
≥ 700	37.7	85.0	87.2	87.7	88.4	88.5	88.9	88.9	88.9	89.2	89.4	89.4	89.4
≥ 600	37.7	85.3	87.5	88.1	88.9	89.0	89.4	89.4	89.4	89.8	89.9	89.9	89.9
≥ 500	37.8	85.8	88.2	88.9	89.8	89.9	90.5	90.6	90.6	91.1	91.3	91.3	91.3
≥ 400	37.8	86.1	88.6	89.3	90.4	90.5	91.2	91.4	91.4	91.9	92.2	92.4	92.4
≥ 300	37.8	86.7	89.4	90.1	91.4	91.5	92.3	92.4	92.4	93.1	93.4	93.6	93.7
≥ 200	37.8	86.9	89.7	90.4	91.8	91.9	93.0	93.2	93.2	93.9	94.2	94.3	94.3
≥ 100	37.8	86.9	89.8	90.5	92.0	92.3	93.5	93.8	93.9	94.8	95.4	96.6	97.6
≥ 0	37.8	86.9	89.8	90.5	92.0	92.3	93.5	93.8	93.9	94.9	95.5	96.8	98.1

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.7	58.0	60.0	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	62.0	62.0
≥ 20000	10.7	60.0	62.0	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0
≥ 18000	10.7	60.0	62.0	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0
≥ 16000	10.7	60.0	62.0	62.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0
≥ 14000	10.7	60.7	62.7	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7	64.7
≥ 12000	11.3	62.7	64.7	64.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.7	66.7
≥ 10000	11.3	63.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3	67.3
≥ 9000	11.3	63.3	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3	67.3
≥ 8000	11.3	68.7	70.7	70.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.7	72.7
≥ 7000	11.3	70.7	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7
≥ 6000	11.3	70.7	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.7	74.7
≥ 5000	11.3	72.0	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	76.0	76.0
≥ 4500	11.3	74.0	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	78.0	78.0
≥ 4000	11.3	76.7	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7	82.7
≥ 3500	11.3	80.0	82.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	84.0	84.0
≥ 3000	11.3	83.3	85.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3	87.3
≥ 2500	11.3	86.0	88.0	88.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	90.0	90.0
≥ 2000	11.3	87.3	89.3	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	91.3
≥ 1800	11.3	88.7	90.7	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7
≥ 1500	11.3	89.3	91.3	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3
≥ 1200	11.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0
≥ 1000	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 900	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 800	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 700	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 600	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 500	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 400	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 300	11.3	90.0	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3
≥ 200	11.3	90.0	93.3	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0
≥ 100	11.3	90.7	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3
0	11.3	90.7	94.0	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	97.3	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	8.7	48.7	50.7	50.7	52.7	52.7	53.3	53.3	53.3	53.3	53.3	53.3
≥ 20000	9.3	50.0	52.0	52.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	9.3	50.0	52.0	52.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	9.3	50.0	52.0	52.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	9.3	50.0	52.0	52.0	54.0	54.0	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000	9.3	51.3	53.3	53.3	55.3	55.3	56.0	56.0	56.0	56.0	56.0	56.0
≥ 10000	9.3	52.0	54.0	54.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000	9.3	52.0	54.0	54.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7
8000	9.3	53.3	55.3	55.3	57.3	57.3	58.0	58.0	58.0	58.0	58.0	58.0
7000	9.3	54.0	56.0	56.0	58.0	58.0	58.7	58.7	58.7	58.7	58.7	58.7
6000	9.3	54.7	56.7	56.7	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3
5000	9.3	57.3	59.3	59.3	61.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0
4500	9.3	58.0	60.0	60.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7
4000	9.3	62.7	64.7	64.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3
3500	9.3	66.0	68.0	68.0	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3
3000	9.3	70.0	72.0	72.0	74.7	74.7	75.3	75.3	75.3	75.3	75.3	75.3
2500	9.3	72.0	74.0	74.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	77.3
2000	9.3	74.7	76.7	77.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0
1800	9.3	75.3	77.3	78.0	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
1500	9.3	78.0	80.7	81.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
1200	9.3	78.0	80.7	81.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0
1000	9.3	78.7	81.3	82.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3
900	9.3	78.7	82.0	83.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0
800	9.3	78.7	82.0	83.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
700	9.3	78.7	82.0	83.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
600	9.3	79.3	82.7	84.0	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3
500	9.3	79.3	83.3	84.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0
400	9.3	79.3	84.0	85.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7
300	9.3	79.3	84.7	86.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3
200	9.3	80.0	85.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
100	9.3	80.0	85.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
0	9.3	80.0	85.3	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	23.3	32.0	34.0	34.7	35.3	35.3	36.0	36.7	37.3	37.3	38.0	38.7	39.3
≥ 20000	26.7	35.3	37.3	38.0	38.7	38.7	39.3	40.0	40.7	40.7	41.3	43.3	44.0
≥ 18000	26.7	35.3	37.3	38.0	38.7	38.7	39.3	40.0	40.7	40.7	41.3	43.3	44.0
≥ 16000	26.7	35.3	37.3	38.0	38.7	38.7	39.3	40.0	40.7	40.7	41.3	43.3	44.0
≥ 14000	26.7	36.0	38.0	38.7	39.3	39.3	40.0	40.7	41.3	41.3	42.0	44.0	44.7
≥ 12000	28.0	38.0	40.0	40.7	41.3	41.3	42.0	42.7	43.3	43.3	44.0	46.0	46.7
≥ 10000	29.3	39.3	41.3	42.0	42.7	42.7	43.3	44.0	44.7	44.7	45.3	47.3	48.0
≥ 9000	30.7	40.7	42.7	43.3	44.0	44.0	44.7	45.3	46.0	46.0	46.7	49.3	50.0
8000	32.7	44.7	46.7	47.3	48.0	48.0	48.7	49.3	50.0	50.0	50.7	53.3	54.0
7000	32.7	44.7	46.7	47.3	48.0	48.0	48.7	49.3	50.0	50.0	50.7	53.3	54.0
6000	32.7	43.3	47.3	48.0	48.7	48.7	49.3	50.0	50.7	50.7	51.3	54.0	54.7
5000	34.0	47.3	49.3	50.0	50.7	50.7	51.3	52.0	52.7	52.7	53.3	56.0	56.7
4500	37.3	50.7	52.7	53.3	54.0	54.0	54.7	55.3	56.0	56.0	56.7	59.3	60.0
4000	40.7	55.3	57.3	58.0	58.7	58.7	59.3	60.0	60.7	60.7	61.3	64.0	64.7
3500	41.3	60.0	62.0	63.3	64.0	64.0	64.7	65.3	66.0	66.0	66.7	69.3	70.0
3000	42.0	62.0	64.0	65.3	66.0	66.0	66.7	67.3	68.0	68.0	68.7	71.3	72.0
2500	42.7	66.0	68.0	69.3	70.7	70.7	71.3	72.0	72.7	72.7	73.3	76.0	77.3
2000	44.0	68.0	70.0	72.0	73.3	73.3	74.0	74.7	75.3	75.3	76.0	78.7	80.0
1800	44.0	68.7	70.7	72.7	74.0	74.0	74.7	75.3	76.0	76.0	76.7	79.3	80.7
1500	44.0	70.7	72.7	74.7	76.0	76.0	76.7	78.0	78.7	78.7	79.3	82.0	83.3
1200	44.0	73.3	75.3	77.3	78.7	78.7	79.3	80.7	81.3	81.3	82.0	84.7	86.0
1000	44.0	74.0	76.0	78.0	79.3	79.3	80.0	81.3	82.0	82.0	82.7	85.3	86.7
900	44.0	74.0	76.0	78.0	79.3	79.3	80.0	81.3	82.0	82.0	82.7	85.3	86.7
800	44.0	74.0	76.0	78.0	79.3	79.3	80.0	81.3	82.0	82.0	82.7	85.3	86.7
700	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
600	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
500	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
400	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
300	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
200	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
100	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0
0	44.7	74.7	76.7	79.3	80.7	80.7	81.3	82.7	83.3	83.3	84.0	86.7	88.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	33.3	48.7	48.7	48.7	48.7	48.7	49.3	49.3	49.3	49.3	49.3	49.3
≥ 20000	39.3	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0
≥ 18000	39.3	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0
≥ 16000	39.3	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0
≥ 14000	39.3	54.7	54.7	54.7	54.7	54.7	55.3	55.3	55.3	56.0	56.0	56.0
≥ 12000	40.0	55.3	55.3	55.3	55.3	55.3	56.0	56.0	56.0	56.7	56.7	56.7
≥ 10000	42.7	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.0	60.7	60.7	60.7
≥ 9000	42.7	59.3	59.3	59.3	59.3	59.3	60.0	60.0	60.0	60.7	60.7	60.7
≥ 8000	45.3	63.3	63.3	63.3	63.3	63.3	64.0	64.0	64.0	64.7	64.7	64.7
≥ 7000	46.7	66.7	66.7	66.7	66.7	66.7	67.3	67.3	67.3	68.0	68.0	68.0
≥ 6000	46.7	66.7	66.7	66.7	66.7	66.7	67.3	67.3	67.3	68.0	68.0	68.0
≥ 5000	50.0	72.7	72.7	72.7	72.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0
≥ 4500	50.0	72.7	72.7	72.7	72.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0
≥ 4000	52.0	75.3	75.3	75.3	75.3	75.3	76.0	76.0	76.0	76.7	76.7	76.7
≥ 3500	52.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7	77.3	77.3	77.3
≥ 3000	52.0	78.7	78.7	78.7	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0
≥ 2500	52.7	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7	81.3	81.3	81.3
≥ 2000	53.3	84.7	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.7	86.7	86.7
≥ 1800	54.0	86.0	86.7	86.7	86.7	86.7	87.3	87.3	87.3	88.0	88.0	88.0
≥ 1500	54.0	86.7	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.7	88.7	88.7
≥ 1200	54.0	87.3	88.0	88.0	88.7	88.7	89.3	89.3	89.3	90.0	90.0	90.0
≥ 1000	54.0	88.0	88.7	89.3	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7
≥ 900	54.7	88.7	89.3	90.0	90.0	90.0	90.7	90.7	90.7	91.3	91.3	91.3
≥ 800	54.7	88.7	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7
≥ 700	54.7	88.7	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7
≥ 600	54.7	88.7	90.0	91.3	91.3	91.3	92.0	92.0	92.0	92.7	92.7	92.7
≥ 500	54.7	88.7	90.0	92.7	92.7	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 400	54.7	88.7	90.0	92.7	92.7	92.7	94.0	94.0	94.0	95.3	95.3	95.3
≥ 300	54.7	88.7	90.0	92.7	92.7	92.7	94.0	94.0	94.0	96.7	96.7	96.7
≥ 200	54.7	88.7	90.7	93.3	93.3	93.3	94.7	94.7	94.7	98.0	98.0	98.0
≥ 100	54.7	88.7	90.7	93.3	93.3	93.3	94.7	94.7	94.7	98.0	98.0	98.0
≥ 0	54.7	88.7	90.7	93.3	93.3	93.3	94.7	94.7	94.7	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	46.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	49.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
18000	49.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
16000	49.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
14000	49.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
12000	50.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000	53.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
9000	53.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
8000	56.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
7000	58.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
6000	60.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
5000	63.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
4500	63.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000	65.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
3500	66.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3000	66.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2500	66.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	66.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1800	66.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1500	66.7	93.3	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1200	66.7	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
1000	67.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
900	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
800	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
600	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
400	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
200	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
100	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0	67.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	49.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	51.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 18000	52.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	52.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	53.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 12000	55.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	58.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	58.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	62.0	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	63.3	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	64.7	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	67.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 4500	67.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 4000	69.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3500	70.7	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3000	71.3	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	72.0	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2000	72.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1800	72.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	72.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	72.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	72.7	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	72.7	97.3	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

SEP

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	36.0	60.0	60.0	60.0	60.0	60.7	60.7	60.7	60.7	60.7	61.3
≥ 20000	36.7	62.7	62.7	62.7	62.7	63.3	63.3	63.3	63.3	63.3	64.0
18000	37.3	64.0	64.0	64.0	64.0	64.7	64.7	64.7	64.7	64.7	65.3
16000	38.0	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3	66.0
14000	38.7	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	67.3
12000	42.0	69.3	69.3	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.7
10000	43.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.7
9000	43.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.7
8000	44.0	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3	78.0
7000	44.7	77.3	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.7
6000	44.7	78.0	78.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	79.3
5000	44.7	80.7	80.7	80.7	80.7	81.3	81.3	81.3	81.3	81.3	82.0
4500	45.3	82.0	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	83.3
4000	46.0	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.7
3500	47.3	90.0	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	91.3
3000	47.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.7
2500	47.3	95.3	95.3	95.3	96.0	96.7	96.7	96.7	96.7	96.7	97.3
2000	47.3	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	97.3
1800	47.3	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	97.3
1500	47.3	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	97.3
1200	48.0	96.7	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.7
1000	48.0	96.7	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7
900	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
800	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
700	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
600	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
500	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
400	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
300	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	99.3
200	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	100.0
100	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	100.0
0	48.0	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	15.3	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	61.3
≥ 20000	15.3	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	62.0	62.7
≥ 18000	15.3	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	62.0	62.7
≥ 16000	15.3	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	62.0	62.7
≥ 14000	15.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	63.3	64.0
≥ 12000	15.3	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.7	65.3
≥ 10000	16.0	63.3	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.3	68.0
≥ 9000	16.0	66.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	68.0	68.7
≥ 8000	16.0	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	73.3	74.0
≥ 7000	16.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.7
≥ 6000	16.0	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	74.0	74.7
≥ 5000	16.0	72.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.3	76.0
≥ 4500	16.0	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.3	80.0
≥ 4000	16.0	80.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.7	83.3
≥ 3500	16.0	82.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	85.3	86.0
≥ 3000	16.0	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.0
≥ 2500	16.0	88.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	91.3	92.0
≥ 2000	16.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.0
≥ 1800	16.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.3	94.0
≥ 1500	16.0	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.7
≥ 1200	16.0	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	95.3	96.0
≥ 1000	16.0	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.7
≥ 900	16.0	92.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.7
≥ 800	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 700	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 600	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 500	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 400	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 300	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 200	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 100	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3
≥ 0	16.0	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	27.9	53.6	54.5	54.6	55.1	55.2	55.4	55.5	55.6	55.6	55.7	55.9
≥ 20000	29.8	56.4	57.3	57.4	57.9	58.0	58.3	58.3	58.4	58.5	58.5	59.0
≥ 18000	30.0	56.7	57.6	57.7	58.2	58.3	58.5	58.6	58.7	58.8	58.8	59.3
≥ 16000	30.1	56.8	57.7	57.8	58.3	58.3	58.6	58.7	58.8	58.8	58.9	59.3
≥ 14000	30.3	57.4	58.3	58.4	58.9	59.0	59.3	59.3	59.4	59.5	59.5	60.0
≥ 12000	31.6	59.3	60.3	60.3	60.8	60.9	61.2	61.3	61.3	61.4	61.5	61.9
≥ 10000	32.9	61.4	62.3	62.4	62.9	63.0	63.3	63.3	63.4	63.5	63.6	64.0
≥ 9000	33.1	61.8	62.7	62.8	63.3	63.3	63.6	63.7	63.8	63.8	63.9	64.4
≥ 8000	34.7	66.0	66.9	67.1	67.6	67.7	67.9	68.0	68.1	68.2	68.3	68.8
≥ 7000	35.3	67.5	68.4	68.6	69.1	69.2	69.4	69.5	69.6	69.7	69.8	70.3
≥ 6000	35.7	68.1	69.0	69.2	69.7	69.8	70.0	70.1	70.2	70.3	70.3	70.8
≥ 5000	37.0	70.9	71.9	72.1	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.8
≥ 4500	37.5	72.7	73.7	73.8	74.3	74.4	74.7	74.8	74.9	75.0	75.0	75.5
≥ 4000	38.8	76.5	77.5	77.7	78.2	78.3	78.5	78.6	78.7	78.8	78.8	79.3
≥ 3500	39.3	78.9	79.9	80.3	80.8	80.8	81.1	81.2	81.3	81.3	81.4	81.9
≥ 3000	39.4	82.4	83.4	83.8	84.3	84.3	84.6	84.7	84.8	84.8	84.9	85.4
≥ 2500	39.8	84.0	85.0	85.4	86.0	86.1	86.3	86.4	86.5	86.6	86.7	87.2
≥ 2000	40.0	85.8	86.9	87.5	88.1	88.2	88.4	88.5	88.6	88.7	88.8	89.3
≥ 1800	40.1	86.3	87.5	88.1	88.7	88.8	89.0	89.1	89.2	89.3	89.3	89.8
≥ 1500	40.2	87.7	88.9	89.6	90.2	90.3	90.5	90.7	90.8	90.8	90.9	91.4
≥ 1200	40.3	88.6	90.0	90.8	91.3	91.4	91.7	91.8	91.9	92.0	92.1	92.6
≥ 1000	40.3	89.1	90.7	91.5	92.1	92.2	92.4	92.6	92.7	92.8	92.8	93.3
≥ 900	40.4	89.3	91.0	91.9	92.5	92.6	92.8	93.0	93.1	93.2	93.3	93.8
≥ 800	40.4	89.4	91.2	92.2	92.8	92.9	93.2	93.3	93.4	93.5	93.6	94.1
≥ 700	40.5	89.5	91.3	92.4	93.1	93.2	93.4	93.6	93.7	93.8	93.8	94.3
≥ 600	40.5	89.6	91.3	92.5	93.2	93.3	93.5	93.7	93.8	93.8	93.9	94.4
≥ 500	40.5	89.6	91.4	92.8	93.4	93.5	93.8	93.9	94.0	94.1	94.2	94.7
≥ 400	40.5	89.6	91.5	92.8	93.5	93.6	93.9	94.3	94.3	94.4	94.5	95.0
≥ 300	40.5	89.6	91.6	93.0	93.7	93.8	94.2	94.6	94.7	94.8	94.9	95.3
≥ 200	40.5	89.7	91.8	93.3	93.9	94.0	94.4	95.0	95.1	95.3	95.5	96.4
≥ 100	40.5	89.8	91.8	93.3	94.0	94.1	94.5	95.1	95.2	95.4	95.6	96.7
0	40.5	89.8	91.8	93.3	94.0	94.1	94.5	95.1	95.2	95.4	95.6	96.8

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING	3.9	32.3	34.2	34.2	35.5	35.5	37.4	37.4	39.4	39.4	40.0
≥ 20000	3.9	35.5	38.1	38.1	40.0	40.0	41.9	42.6	44.5	44.5	45.2
18000	3.9	35.5	38.1	38.1	40.0	40.0	41.9	42.6	44.5	44.5	45.2
16000	3.9	35.5	38.1	38.1	40.0	40.0	41.9	42.6	44.5	44.5	45.2
14000	3.9	35.5	38.1	38.1	40.0	40.0	41.9	42.6	44.5	44.5	45.2
12000	3.9	36.1	38.7	38.7	40.7	40.7	42.6	43.2	45.2	45.2	45.8
10000	4.5	38.7	41.3	41.3	43.2	43.2	45.2	45.8	47.7	47.7	48.4
9000	4.5	38.7	41.3	41.3	43.2	43.2	45.2	45.8	47.7	47.7	48.4
8000	4.5	43.9	47.1	47.1	49.0	49.0	51.0	51.6	53.6	53.6	54.2
7000	4.5	45.2	48.4	48.4	50.3	50.3	52.3	52.9	54.8	54.8	55.5
6000	5.2	47.1	50.3	50.3	52.3	52.3	54.2	54.8	56.8	56.8	57.4
5000	5.2	56.1	59.4	59.4	61.3	61.3	63.2	63.9	65.8	65.8	66.5
4500	5.2	57.4	60.7	60.7	62.6	62.6	64.5	65.2	67.1	67.1	67.7
4000	5.2	64.5	67.7	67.7	69.7	69.7	71.6	72.3	74.2	74.2	74.8
3500	5.2	65.2	68.4	68.4	70.3	70.3	72.3	72.9	74.8	74.8	75.5
3000	5.8	69.7	74.2	74.2	76.1	76.1	78.1	78.7	80.7	80.7	81.3
2500	5.8	71.0	75.5	75.5	78.7	78.7	80.7	81.3	83.2	83.2	83.9
2000	5.8	73.6	78.1	79.4	81.3	81.3	83.2	83.9	85.8	85.8	86.5
1800	6.5	74.8	79.4	80.7	82.6	82.6	84.5	85.2	87.1	87.1	87.7
1500	6.5	76.8	81.3	82.6	84.5	84.5	86.5	87.1	89.0	89.0	89.7
1200	6.5	77.4	81.9	83.2	85.2	85.2	87.1	87.7	89.0	89.0	90.3
1000	6.5	78.1	83.2	84.5	86.5	86.5	88.4	89.0	91.6	91.6	92.3
900	6.5	78.1	83.2	84.5	86.5	86.5	88.4	89.0	91.6	91.6	92.3
800	6.5	78.7	83.9	85.2	87.1	87.1	89.0	89.7	92.3	92.3	92.9
700	6.5	78.7	83.9	85.2	87.7	87.7	89.7	90.3	92.9	92.9	93.6
600	6.5	78.7	84.5	86.5	88.4	88.4	90.3	91.0	93.6	93.6	94.2
500	6.5	78.7	84.5	86.5	88.4	88.4	91.0	91.6	94.2	94.2	94.8
400	6.5	78.7	84.5	86.5	88.4	88.4	91.0	91.6	94.2	94.2	94.8
300	6.5	78.7	84.5	86.5	88.4	88.4	91.0	92.3	94.8	94.8	95.5
200	6.5	78.7	84.5	86.5	88.4	88.4	91.0	92.3	94.8	94.8	95.5
100	6.5	78.7	84.5	86.5	88.4	88.4	91.0	92.3	94.8	94.8	95.5
0	6.5	78.7	84.5	86.5	88.4	88.4	91.0	92.3	94.8	94.8	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	1.9	18.7	20.7	21.9	21.9	21.9	23.9	23.2	25.2	27.1	27.7	29.0
≥ 20000	1.9	19.4	21.9	23.2	23.9	23.9	25.8	27.1	27.1	30.3	31.0	32.9
18000	1.9	19.4	21.9	23.2	23.9	23.9	25.8	27.1	27.1	30.3	31.0	32.9
16000	1.9	19.4	21.9	23.2	23.9	23.9	25.8	27.1	27.1	30.3	31.0	32.9
14000	1.9	19.4	21.9	23.2	23.9	23.9	25.8	27.1	27.1	30.3	31.0	32.9
12000	1.9	19.4	21.9	23.2	23.9	23.9	25.8	27.1	27.1	30.3	31.0	32.9
10000	2.6	21.3	24.5	25.8	26.5	26.5	28.4	29.7	29.7	32.9	33.6	35.5
9000	2.6	21.3	24.5	25.8	26.5	26.5	28.4	29.7	29.7	32.9	33.6	35.5
8000	3.2	27.1	31.0	32.3	32.9	32.9	34.8	36.1	36.1	39.4	40.0	41.9
7000	3.2	31.0	34.8	36.1	36.8	36.8	38.7	40.0	40.0	43.2	43.9	45.8
6000	3.2	31.0	35.5	36.8	37.4	37.4	39.4	40.7	40.7	43.9	44.5	46.5
5000	3.2	38.7	43.9	45.2	45.8	45.8	47.7	49.0	49.0	52.3	53.6	55.5
4500	3.2	40.7	45.8	47.1	47.7	47.7	49.7	51.0	51.0	54.2	55.5	57.4
4000	3.2	47.1	52.3	53.6	54.2	54.2	56.1	57.4	57.4	60.7	61.9	63.9
3500	3.2	47.7	53.6	54.8	55.5	55.5	58.1	59.4	59.4	62.6	63.9	65.8
3000	3.2	52.9	59.4	60.7	61.9	61.9	64.5	65.8	65.8	69.0	70.3	72.3
2500	3.2	54.2	61.3	62.6	63.9	63.9	66.5	67.7	67.7	71.0	72.3	74.2
2000	3.2	56.8	64.5	65.8	67.1	67.1	69.7	71.0	71.0	74.2	75.5	77.4
1800	3.2	60.0	67.7	69.0	70.3	70.3	72.9	74.2	74.2	77.4	78.7	80.7
1500	3.2	61.3	69.0	70.3	72.3	72.3	74.8	76.1	76.1	79.4	80.7	82.6
1200	3.2	63.2	71.0	72.3	74.8	74.8	77.4	78.7	78.7	81.9	83.2	85.2
1000	3.2	63.9	71.6	72.9	75.5	75.5	78.1	79.4	79.4	82.6	83.9	85.8
900	3.2	63.9	71.6	72.9	75.5	75.5	78.1	79.4	79.4	82.6	83.9	85.8
800	3.2	63.9	71.6	72.9	76.1	76.1	78.7	80.0	80.0	83.2	84.5	86.5
700	3.2	65.2	72.9	74.2	77.4	77.4	80.0	81.3	81.3	84.5	85.8	87.7
600	3.2	65.2	72.9	74.2	77.4	77.4	80.0	81.3	81.3	84.5	85.8	87.7
500	3.2	65.8	73.6	74.8	78.7	78.7	81.3	82.6	82.6	85.8	87.1	89.0
400	3.2	65.8	73.6	74.8	79.4	79.4	81.9	83.2	83.2	86.5	87.7	89.7
300	3.2	65.8	73.6	74.8	79.4	79.4	81.9	83.2	83.2	86.5	88.4	90.3
200	3.2	65.8	73.6	74.8	79.4	79.4	81.9	83.2	83.2	86.5	88.4	90.3
100	3.2	65.8	73.6	74.8	79.4	79.4	81.9	83.2	83.2	87.1	89.7	92.3
0	3.2	65.8	73.6	74.8	79.4	79.4	81.9	83.2	83.2	87.1	89.7	92.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	7.1	14.2	14.8	14.8	16.1	16.1	16.8	17.4	17.4	17.4	18.1	18.1	20.0	20.7	22.6
≥ 20000	9.0	18.1	19.4	19.4	20.7	20.7	21.3	21.9	21.9	21.9	22.6	22.6	24.5	25.2	27.7
≥ 18000	9.7	20.0	21.3	21.3	22.6	22.6	23.2	23.9	23.9	23.9	24.5	24.5	26.5	27.1	29.7
≥ 16000	9.7	20.0	21.3	21.3	22.6	22.6	23.2	23.9	23.9	23.9	24.5	24.5	26.5	27.1	29.7
≥ 14000	10.3	20.7	21.9	21.9	23.2	23.2	23.9	24.5	24.5	24.5	25.2	25.2	27.1	27.7	30.3
≥ 12000	10.3	20.7	22.6	22.6	23.9	23.9	25.2	25.8	25.8	25.8	26.5	26.5	28.4	29.0	31.6
≥ 10000	11.6	23.9	25.8	25.8	27.1	27.1	28.4	29.0	29.0	29.0	29.7	29.7	31.6	32.3	34.8
≥ 9000	11.6	23.9	25.8	25.8	27.1	27.1	28.4	29.0	29.0	29.0	29.7	29.7	31.6	32.3	34.8
≥ 8000	12.3	27.1	29.0	29.0	30.3	30.3	31.6	32.3	32.3	32.3	32.9	32.9	35.3	36.1	38.7
≥ 7000	12.9	29.0	31.0	31.0	32.3	32.3	33.6	34.2	34.2	34.2	34.8	34.8	37.4	38.1	40.7
≥ 6000	13.6	31.0	32.9	32.9	34.2	34.2	35.5	36.1	36.1	36.1	36.8	36.8	39.4	40.0	42.6
≥ 5000	15.5	38.1	40.0	40.0	41.3	41.3	42.6	43.2	43.2	43.2	43.9	43.9	46.5	47.1	49.7
≥ 4500	16.1	38.7	40.7	40.7	41.9	41.9	43.2	43.9	43.9	43.9	44.5	44.5	47.1	47.7	50.3
≥ 4000	16.8	41.9	43.9	43.9	45.2	45.2	46.5	47.1	47.1	47.1	47.7	47.7	50.3	51.0	53.6
≥ 3500	18.7	47.7	49.7	49.7	51.0	51.0	52.3	52.9	52.9	52.9	53.6	53.6	56.1	56.8	59.4
≥ 3000	20.0	50.3	52.9	52.9	54.2	54.2	55.5	56.1	56.1	56.1	56.8	56.8	60.0	60.7	63.2
≥ 2500	20.7	52.9	56.1	56.1	57.4	57.4	58.7	59.4	59.4	60.0	60.7	60.7	63.2	63.9	66.5
≥ 2000	21.3	59.4	62.6	62.6	63.9	63.9	65.2	65.8	65.8	66.5	67.1	67.1	69.7	70.3	72.9
≥ 1800	21.3	60.0	63.9	63.9	65.2	65.2	66.5	67.1	67.1	67.7	68.4	68.4	71.0	71.6	74.2
≥ 1500	22.6	61.9	67.1	67.1	68.4	68.4	70.3	71.0	71.0	71.6	72.3	72.3	74.8	75.5	78.1
≥ 1200	22.6	64.5	69.7	69.7	71.6	71.6	73.6	74.2	74.2	74.8	75.5	75.5	78.1	78.7	81.3
≥ 1000	22.6	65.8	71.0	71.0	72.9	72.9	74.8	75.5	75.5	76.1	76.8	76.8	79.4	80.0	82.6
≥ 900	22.6	65.8	71.0	71.0	72.9	72.9	74.8	75.5	75.5	76.1	76.8	76.8	79.4	80.0	82.6
≥ 800	22.6	67.1	72.9	72.9	74.8	74.8	76.8	77.4	77.4	78.1	78.7	78.7	81.3	81.9	84.5
≥ 700	22.6	67.7	73.6	73.6	75.5	75.5	77.4	78.1	78.1	78.7	79.4	79.4	81.9	82.6	85.2
≥ 600	22.6	67.7	73.6	73.6	76.8	76.8	78.7	79.4	79.4	80.0	80.7	80.7	83.2	83.9	86.5
≥ 500	22.6	69.0	74.8	74.8	78.1	78.1	80.0	81.3	81.3	81.9	82.6	82.6	85.8	86.5	89.0
≥ 400	22.6	69.0	74.8	74.8	78.1	78.1	80.7	81.9	81.9	82.6	83.9	83.9	86.5	87.1	89.7
≥ 300	22.6	69.0	74.8	74.8	78.1	78.1	80.7	82.6	82.6	83.9	85.2	85.2	87.7	88.4	91.0
≥ 200	22.6	69.0	74.8	74.8	78.1	78.1	80.7	82.6	82.6	83.9	86.5	86.5	89.0	90.3	92.9
≥ 100	22.6	69.0	74.8	74.8	78.1	78.1	80.7	82.6	82.6	83.9	86.5	86.5	89.0	90.3	93.5
0	22.6	69.0	74.8	74.8	78.1	78.1	80.7	82.6	82.6	83.9	86.5	86.5	89.0	91.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	12.9	21.9	22.6	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	14.2	25.8	26.5	27.7	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 18000	15.5	27.7	28.4	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 16000	15.5	27.7	28.4	29.7	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 14000	16.8	29.7	30.3	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	18.1	31.0	31.6	32.9	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 10000	20.0	34.2	34.8	36.1	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 9000	20.0	34.8	35.5	36.8	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 8000	21.9	38.7	39.4	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 7000	24.5	42.6	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 6000	27.1	47.1	47.7	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 5000	30.3	53.6	55.5	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	31.0	54.8	56.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	32.9	56.8	58.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 3500	33.6	58.1	60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	35.5	63.2	65.8	67.1	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2500	35.5	65.2	68.4	69.7	71.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6
≥ 2000	37.4	71.0	74.2	75.5	76.8	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	38.1	71.6	74.8	76.1	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	39.4	76.8	80.0	81.3	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	39.4	80.0	83.2	85.2	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	39.4	81.9	85.2	87.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	39.4	82.6	85.8	88.4	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	39.4	83.9	87.1	89.7	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	39.4	85.2	88.4	91.0	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	39.4	85.2	88.4	91.0	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 500	39.4	85.2	88.4	91.0	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	39.4	85.2	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 300	39.4	85.2	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 200	39.4	85.2	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100	39.4	85.2	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
0	39.4	85.2	89.0	91.6	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	20.7	32.3	32.9	34.2	34.2	34.2	34.2	34.2	34.2	34.8	34.8
≥ 20000	25.8	41.3	41.9	43.9	44.5	44.5	44.5	44.5	44.5	45.2	45.2
18000	25.8	41.3	41.9	43.9	44.5	44.5	44.5	44.5	44.5	45.2	45.2
16000	26.5	41.9	42.6	44.5	45.2	45.2	45.2	45.2	45.2	45.8	45.8
14000	27.1	42.6	43.2	45.2	45.8	45.8	45.8	45.8	45.8	46.5	46.5
12000	29.0	45.2	45.8	47.7	48.4	48.4	48.4	48.4	48.4	49.0	49.0
10000	30.3	47.1	47.7	49.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0
9000	30.3	47.7	48.4	50.3	51.0	51.0	51.0	51.0	51.0	51.6	51.6
8000	35.5	55.5	56.1	58.1	58.7	58.7	58.7	58.7	58.7	59.4	59.4
7000	38.1	59.4	60.0	61.9	62.6	62.6	62.6	62.6	62.6	63.2	63.2
6000	39.4	62.6	63.2	65.2	65.8	65.8	65.8	65.8	65.8	66.5	66.5
5000	39.4	65.2	65.8	67.7	68.4	68.4	68.4	68.4	68.4	69.0	69.0
4500	39.4	66.5	67.1	69.0	69.7	69.7	69.7	69.7	69.7	70.3	70.3
4000	40.0	68.4	69.0	71.0	71.6	71.6	71.6	71.6	71.6	72.3	72.3
3500	42.6	72.3	72.9	74.8	75.5	75.5	75.5	75.5	75.5	76.1	76.1
3000	43.9	76.1	76.8	79.4	80.0	80.0	80.0	80.0	80.0	80.7	80.7
2500	43.9	77.4	78.1	80.7	81.3	81.3	81.3	81.3	81.3	81.9	81.9
2000	46.5	81.9	82.6	85.2	85.8	85.8	85.8	85.8	85.8	86.5	86.5
1800	48.4	84.5	85.8	88.4	89.0	89.0	89.0	89.0	89.0	90.3	90.3
1500	49.0	88.4	89.7	92.3	93.6	93.6	94.2	94.2	94.2	94.8	94.8
1200	49.0	89.7	91.6	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8
1000	49.7	91.0	92.9	95.5	96.8	96.8	97.4	97.4	97.4	98.1	98.1
900	49.7	91.6	93.6	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7
800	49.7	91.6	93.6	96.1	97.4	97.4	98.1	98.1	98.1	98.7	98.7
700	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
600	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
500	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
400	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
300	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
200	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
100	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4
0	49.7	92.3	94.2	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 159

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	27.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	32.9	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	33.6	49.0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	34.8	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000	35.5	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	36.8	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	40.0	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	40.0	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
8000	43.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
7000	45.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
6000	46.5	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
5000	48.4	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
4500	49.0	74.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
4000	51.0	78.1	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
3500	51.6	79.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3000	53.6	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2500	53.6	85.2	87.1	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2000	54.8	90.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1800	54.8	90.3	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
1500	54.8	91.0	92.9	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
1200	55.5	92.9	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	55.5	92.9	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
900	55.5	92.9	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
800	55.5	92.9	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700	55.5	92.9	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
500	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
300	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	55.5	92.9	94.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

UCT
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	8.4	36.1	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 20000	8.4	40.0	42.6	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.9
≥ 18000	9.0	40.7	43.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.5
≥ 16000	9.0	40.7	43.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.5
≥ 14000	9.0	40.7	43.2	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.5
≥ 12000	9.0	41.9	44.5	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.8
≥ 10000	9.0	43.8	48.4	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.7
≥ 9000	9.7	47.1	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	51.0
≥ 8000	10.3	54.8	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4
≥ 7000	11.6	58.1	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6
≥ 6000	11.6	58.1	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.6
≥ 5000	12.3	67.1	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6
≥ 4500	12.3	67.7	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9
≥ 4000	12.3	71.6	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
≥ 3500	12.3	72.9	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 3000	12.9	77.4	82.6	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
≥ 2500	12.9	79.4	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.5
≥ 2000	12.9	83.9	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 1800	12.9	83.9	89.0	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6
≥ 1500	13.6	86.5	91.6	91.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2
≥ 1200	13.6	86.5	92.3	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	95.5
≥ 1000	13.6	87.1	92.9	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	97.4
≥ 900	13.6	87.1	92.9	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	97.4
≥ 800	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4
≥ 700	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.1
≥ 600	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.7
≥ 500	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.7
≥ 400	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.7
≥ 300	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.7
≥ 200	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	98.7
≥ 100	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	99.4
0	13.6	87.7	93.6	93.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.5	36.1	37.4	38.7	38.7	38.7	38.7	38.7	38.7	39.4	40.0	40.7	40.7
≥ 20000	4.5	37.4	38.7	40.0	40.7	40.7	40.7	40.7	40.7	41.3	41.9	42.6	42.6
AI 18000	4.5	37.4	38.7	40.0	40.7	40.7	40.7	41.3	41.3	41.9	42.6	43.2	43.2
AI 16000	4.5	37.4	38.7	40.0	40.7	40.7	40.7	41.3	41.3	41.9	42.6	43.2	43.2
AI 14000	4.5	37.4	38.7	40.0	40.7	40.7	40.7	41.3	41.3	41.9	42.6	43.2	43.2
AI 12000	4.5	40.7	41.9	43.2	44.5	44.5	44.5	45.2	45.2	45.8	46.5	47.1	47.1
AI 10000	4.5	47.1	48.4	49.7	51.0	51.0	51.0	51.6	51.6	52.3	52.9	53.6	53.6
AI 9000	4.5	49.0	50.3	51.6	52.9	52.9	52.9	53.6	53.6	54.2	54.8	55.5	55.5
AI 8000	5.2	54.8	56.1	57.4	58.7	58.7	58.7	59.4	59.4	60.0	60.7	61.3	61.3
AI 7000	5.2	56.8	58.7	60.0	61.3	61.3	61.3	61.9	61.9	62.6	63.2	63.9	63.9
AI 6000	5.2	56.8	58.7	60.0	61.3	61.3	61.3	61.9	61.9	62.6	63.2	63.9	63.9
AI 5000	5.2	65.2	67.1	68.4	69.7	69.7	69.7	70.3	70.3	71.0	71.6	72.3	72.3
AI 4500	5.2	66.5	68.4	69.7	71.0	71.0	71.0	71.6	71.6	72.3	72.9	73.6	73.6
AI 4000	5.8	74.2	76.1	77.4	78.7	78.7	78.7	79.4	79.4	80.0	80.7	81.3	81.3
AI 3500	5.8	74.8	76.8	78.1	79.4	79.4	79.4	80.0	80.0	80.7	81.3	81.9	81.9
AI 3000	6.5	78.7	80.7	81.9	83.2	83.2	83.2	83.9	83.9	84.5	85.2	85.8	85.8
AI 2500	6.5	81.3	83.9	85.2	87.1	87.1	87.1	87.7	87.7	88.4	89.0	89.7	89.7
AI 2000	6.5	82.6	85.2	86.5	89.0	89.0	89.0	89.7	89.7	90.3	91.0	91.6	91.6
AI 1800	6.5	82.6	85.8	87.1	89.7	89.7	89.7	90.3	90.3	91.0	91.6	92.3	92.3
AI 1500	7.1	84.5	87.7	89.7	92.3	92.3	92.3	92.9	92.9	93.6	94.2	94.8	94.8
AI 1200	7.1	86.5	89.7	92.3	94.8	94.8	94.8	95.5	95.5	96.1	96.8	97.4	97.4
AI 1000	7.1	86.5	89.7	92.3	94.8	94.8	94.8	95.5	95.5	96.1	96.8	97.4	97.4
AI 900	7.1	86.5	89.7	92.3	94.8	94.8	94.8	95.5	95.5	96.1	96.8	97.4	97.4
AI 800	7.1	86.5	89.7	92.3	94.8	94.8	94.8	95.5	95.5	96.1	96.8	97.4	97.4
AI 700	7.1	87.1	90.3	92.9	95.5	95.5	95.5	96.1	96.1	96.8	97.4	98.1	98.1
AI 600	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 500	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 400	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 300	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 200	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 100	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7
AI 0	7.1	87.1	91.0	93.6	96.1	96.1	96.1	96.8	96.8	97.4	98.1	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.8	28.9	30.1	30.7	31.1	31.1	31.6	31.9	31.9	32.5	32.7	32.7	33.3	33.6
≥ 20000	12.6	33.2	34.8	35.5	36.3	36.3	36.9	37.2	37.2	38.0	38.2	38.2	39.0	39.3
≥ 18000	13.0	33.9	35.4	36.1	36.9	36.9	37.5	37.9	37.9	38.7	39.0	39.0	39.7	40.0
≥ 16000	13.2	34.1	35.7	36.4	37.2	37.2	37.7	38.2	38.2	39.0	39.2	39.2	39.9	40.2
≥ 14000	13.6	34.6	36.1	36.9	37.7	37.7	38.2	38.6	38.6	39.4	39.7	39.7	40.4	40.7
≥ 12000	14.2	36.0	37.6	38.3	39.2	39.2	39.8	40.2	40.2	41.1	41.3	41.3	42.0	42.3
≥ 10000	15.3	39.5	41.2	41.9	42.8	42.8	43.5	43.9	43.9	44.7	44.9	44.9	45.7	46.0
≥ 9000	15.4	40.1	41.8	42.5	43.4	43.4	44.0	44.4	44.4	45.2	45.5	45.5	46.2	46.5
≥ 8000	17.1	45.7	47.6	48.3	49.2	49.2	49.8	50.2	50.2	51.1	51.3	51.3	52.1	52.4
≥ 7000	18.2	48.5	50.5	51.2	52.1	52.1	52.7	53.2	53.2	54.0	54.2	54.2	55.0	55.3
≥ 6000	19.0	50.2	52.3	53.0	53.9	53.9	54.5	54.9	54.9	55.7	56.0	56.0	56.8	57.1
≥ 5000	19.9	57.2	59.5	60.2	61.1	61.1	61.8	62.2	62.2	63.0	63.3	63.3	64.1	64.4
≥ 4500	20.2	58.4	61.0	61.7	62.6	62.6	63.2	63.6	63.6	64.4	64.8	64.8	65.6	65.9
≥ 4000	20.9	62.8	65.6	66.3	67.3	67.3	67.9	68.3	68.3	69.1	69.4	69.4	70.2	70.6
≥ 3500	21.6	64.8	67.6	68.3	69.3	69.3	70.0	70.4	70.4	71.2	71.5	71.5	72.3	72.7
≥ 3000	22.7	69.1	72.3	73.2	74.4	74.4	75.2	75.7	75.7	76.5	76.9	76.9	77.7	78.0
≥ 2500	22.7	70.8	74.4	75.4	76.7	76.7	77.4	77.9	77.9	78.8	79.1	79.1	79.9	80.2
≥ 2000	23.6	74.9	78.6	79.6	81.1	81.1	81.8	82.3	82.3	83.2	83.5	83.5	84.3	84.6
≥ 1800	24.0	76.0	79.8	80.9	82.3	82.3	83.2	83.6	83.6	84.5	84.8	84.8	85.7	86.0
≥ 1500	24.5	78.4	82.4	83.6	85.3	85.3	86.2	86.7	86.7	87.6	87.9	87.9	88.7	89.0
≥ 1200	24.6	80.1	84.3	85.7	87.6	87.6	88.5	89.0	89.1	90.0	90.3	90.3	91.1	91.5
≥ 1000	24.7	80.9	85.2	86.9	88.8	88.8	89.7	90.2	90.3	91.2	91.5	91.5	92.3	92.7
≥ 900	24.7	81.1	85.4	87.1	89.0	89.0	89.9	90.5	90.6	91.5	91.8	91.8	92.6	92.9
≥ 800	24.7	81.5	85.9	87.6	89.6	89.6	90.5	91.1	91.2	92.1	92.4	92.4	93.2	93.6
≥ 700	24.7	82.1	86.5	88.2	90.2	90.2	91.4	92.0	92.1	93.0	93.3	93.3	94.1	94.4
≥ 600	24.7	82.1	86.6	88.4	90.7	90.7	91.8	92.5	92.6	93.5	93.8	93.8	94.6	94.9
≥ 500	24.7	82.3	86.9	88.6	91.0	91.1	92.2	93.0	93.1	94.0	94.4	94.4	95.3	95.7
≥ 400	24.7	82.3	86.9	88.7	91.1	91.2	92.4	93.2	93.3	94.3	94.7	94.7	95.6	95.9
≥ 300	24.7	82.3	86.9	88.7	91.1	91.2	92.4	93.4	93.5	94.6	95.1	95.1	96.0	96.3
≥ 200	24.7	82.3	86.9	88.7	91.1	91.2	92.4	93.5	93.6	94.7	95.3	95.3	96.4	96.8
≥ 100	24.7	82.3	86.9	88.7	91.1	91.2	92.4	93.5	93.6	94.8	95.6	95.6	96.7	97.1
≥ 0	24.7	82.3	86.9	88.7	91.1	91.2	92.4	93.5	93.6	94.8	95.6	95.6	96.7	97.2

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	2.0	22.0	22.7	24.0	24.0	24.0	24.0	24.0	24.0	24.7	24.7	24.7
≥ 20000	2.7	24.0	24.7	26.0	26.0	26.0	26.0	26.0	26.0	26.7	27.3	27.3
AI 18000	3.3	24.7	25.3	26.7	26.7	26.7	26.7	26.7	26.7	27.3	28.0	28.7
AI 16000	4.0	25.3	26.0	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.7	29.3
AI 14000	4.0	25.3	26.0	27.3	27.3	27.3	27.3	27.3	27.3	28.0	28.7	29.3
AI 12000	4.7	26.7	27.3	28.7	28.7	28.7	28.7	28.7	28.7	29.3	30.0	30.7
AI 10000	4.7	30.0	30.7	32.0	32.0	32.0	32.0	32.0	32.0	32.7	33.3	34.0
AI 9000	4.7	30.7	31.3	32.7	32.7	32.7	32.7	32.7	32.7	33.3	34.0	34.7
AI 8000	4.7	36.7	38.0	39.3	39.3	39.3	39.3	39.3	39.3	40.0	40.7	41.3
AI 7000	4.7	39.3	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.7	43.3	44.0
AI 6000	5.3	42.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	45.3	46.0	46.7
AI 5000	6.0	46.0	47.3	48.7	48.7	48.7	48.7	48.7	48.7	49.3	50.0	50.7
AI 4500	6.0	47.3	49.3	50.7	50.7	50.7	50.7	50.7	50.7	51.3	52.0	52.7
AI 4000	6.0	53.3	55.3	56.7	56.7	56.7	56.7	56.7	56.7	57.3	58.0	58.7
AI 3500	7.3	57.3	59.3	60.7	60.7	60.7	61.3	61.3	61.3	62.0	62.7	63.3
AI 3000	7.3	61.3	64.0	65.3	65.3	65.3	66.0	66.0	66.0	66.7	67.3	68.0
AI 2500	7.3	66.0	68.7	70.0	70.0	70.0	70.7	70.7	70.7	71.3	72.0	72.7
AI 2000	7.3	73.3	76.0	77.3	77.3	77.3	78.0	78.0	78.0	78.7	79.3	80.0
AI 1800	7.3	74.0	77.3	78.7	78.7	78.7	79.3	79.3	79.3	80.0	81.3	82.0
AI 1500	8.0	81.3	84.7	86.0	86.0	86.0	86.7	86.7	86.7	87.3	88.0	88.7
AI 1200	8.0	82.0	85.3	86.7	86.7	86.7	87.3	87.3	87.3	88.0	89.3	90.0
AI 1000	8.0	83.3	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	92.0	92.7
AI 900	8.0	83.3	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	92.0	92.7
AI 800	8.0	84.0	88.7	90.0	90.0	90.0	90.7	90.7	90.7	91.3	92.0	92.7
AI 700	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 600	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 500	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 400	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 300	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 200	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 100	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0
AI 0	8.0	84.7	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	93.3	94.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	2.0	24.7	25.3	25.3	25.3	25.3	25.3	25.3	26.0	26.7	26.7	27.3
≥ 20000	4.0	28.7	29.3	29.3	29.3	29.3	29.3	29.3	30.0	30.7	30.7	31.3
≥ 18000	4.7	29.3	30.0	30.0	30.0	30.0	30.0	30.0	30.7	31.3	31.3	32.0
≥ 16000	5.3	30.0	30.7	30.7	30.7	30.7	30.7	30.7	31.3	32.0	32.0	32.7
≥ 14000	5.3	30.0	30.7	30.7	30.7	30.7	30.7	30.7	31.3	32.0	32.0	32.7
≥ 12000	5.3	30.7	31.3	31.3	31.3	31.3	31.3	31.3	32.0	32.7	32.7	33.3
≥ 10000	5.3	34.7	35.3	35.3	35.3	35.3	35.3	35.3	36.0	37.3	37.3	38.0
≥ 9000	5.3	34.7	35.3	35.3	35.3	35.3	35.3	35.3	36.0	37.3	37.3	38.0
≥ 8000	5.3	38.0	38.7	38.7	38.7	38.7	38.7	38.7	39.3	40.7	40.7	41.3
≥ 7000	7.3	42.0	42.7	42.7	42.7	42.7	42.7	42.7	43.3	44.7	44.7	45.3
≥ 6000	8.0	43.3	44.0	44.0	44.0	44.0	44.0	44.0	44.7	46.0	46.0	46.7
≥ 5000	8.0	46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.7	50.0	50.0	50.7
≥ 4500	8.0	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.7	52.0	52.0	52.7
≥ 4000	8.0	53.3	54.7	54.7	54.7	54.7	54.7	54.7	55.3	56.7	56.7	57.3
≥ 3500	8.0	55.3	56.7	56.7	56.7	56.7	56.7	56.7	57.3	58.7	58.7	59.3
≥ 3000	9.3	59.3	60.7	60.7	60.7	60.7	60.7	60.7	61.3	62.7	62.7	63.3
≥ 2500	9.3	63.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0	67.3	67.3	68.0
≥ 2000	9.3	68.7	71.3	71.3	71.3	71.3	72.7	72.7	73.3	74.7	74.7	75.3
≥ 1800	9.3	70.7	74.0	74.0	74.0	74.0	75.3	75.3	76.0	77.3	77.3	78.0
≥ 1500	9.3	78.0	82.0	82.0	82.0	82.0	83.3	83.3	84.0	85.3	85.3	86.0
≥ 1200	9.3	79.3	83.3	83.3	84.0	84.0	85.3	85.3	86.0	87.3	87.3	88.0
≥ 1000	10.0	81.3	85.3	85.3	86.7	86.7	88.0	88.0	88.7	90.0	90.0	90.7
≥ 900	10.0	82.0	86.0	86.0	87.3	87.3	88.7	88.7	89.3	90.7	90.7	91.3
≥ 800	10.0	82.7	86.7	86.7	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 700	10.0	82.7	86.7	86.7	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 600	10.0	82.7	86.7	86.7	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 500	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 400	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 300	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 200	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
≥ 100	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0
0	10.0	83.3	87.3	87.3	88.0	88.0	89.3	89.3	90.0	91.3	91.3	92.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	10.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	18.7	20.0	20.7
≥ 20000	12.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.3	24.0
≥ 18000	12.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.3	24.0
≥ 16000	12.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.3	24.0
≥ 14000	12.7	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	23.3	24.0
≥ 12000	14.7	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	26.7	28.0
≥ 10000	16.0	28.0	28.0	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	30.0	31.3
≥ 9000	16.0	28.0	28.0	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	30.0	31.3
≥ 8000	19.3	34.0	34.0	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	36.0	37.3
≥ 7000	20.0	35.3	35.3	36.0	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	38.0	39.3
≥ 6000	20.0	36.0	36.0	36.7	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.7	40.0
≥ 5000	21.3	43.3	43.3	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	46.0	47.3
≥ 4500	22.0	45.3	45.3	46.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	48.0	49.3
≥ 4000	22.7	46.7	47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	50.0	51.3
≥ 3500	24.7	51.3	52.0	52.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	54.7	56.0
≥ 3000	26.0	56.0	56.7	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	59.3	60.7
≥ 2500	27.3	61.3	62.0	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	64.7	66.0
≥ 2000	30.0	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	74.7	76.0
≥ 1800	30.0	70.7	71.3	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	74.7	76.0
≥ 1500	30.7	76.0	76.7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	80.0	81.3
≥ 1200	30.7	78.0	78.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	82.7	84.0
≥ 1000	30.7	82.0	84.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	88.0	89.3
≥ 900	30.7	82.7	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	89.3	90.7
≥ 800	30.7	83.3	86.0	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	90.0	91.3
≥ 700	30.7	84.0	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	90.7	92.0
≥ 600	30.7	84.7	88.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	92.7	94.0
≥ 500	30.7	85.3	90.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	94.0	95.3
≥ 400	30.7	85.3	90.0	90.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	94.0	96.0
≥ 300	30.7	85.3	90.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.7	96.7
≥ 200	30.7	85.3	90.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.7	96.7
≥ 100	30.7	85.3	90.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.7	96.7
≥ 0	30.7	85.3	90.0	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	94.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	18.0	23.3	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 20000	25.3	32.7	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
18000	26.7	34.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
16000	26.7	34.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
14000	30.0	37.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
12000	31.3	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
10000	36.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
9000	36.0	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
8000	41.3	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
7000	42.7	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
6000	42.7	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
5000	44.0	55.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
4500	45.3	57.3	58.7	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
4000	46.7	61.3	62.7	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
3500	46.7	62.7	64.0	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
3000	50.7	68.0	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
2500	51.3	71.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
2000	54.0	76.0	78.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1800	54.0	76.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
1500	55.3	82.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
1200	56.0	86.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1000	56.0	90.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
900	56.0	90.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
800	56.0	90.7	94.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
700	56.0	90.7	94.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
600	56.0	91.3	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
500	56.0	91.3	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
400	56.0	91.3	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
300	56.0	91.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
200	56.0	91.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
100	56.0	91.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
0	56.0	91.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

13

HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	21.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 20000	26.7	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
AI 18000	27.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
AI 16000	27.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
AI 14000	31.3	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
AI 12000	32.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
AI 10000	38.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
AI 9000	40.0	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
AI 8000	46.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
AI 7000	47.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
AI 6000	49.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
AI 5000	51.3	62.7	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
AI 4500	52.0	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
AI 4000	52.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
AI 3500	52.7	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
AI 3000	56.7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
AI 2500	58.0	74.7	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 2000	61.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
AI 1800	63.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
AI 1500	64.0	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
AI 1200	64.7	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
AI 1000	64.7	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
AI 900	64.7	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
AI 800	64.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AI 700	64.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AI 600	64.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 500	64.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 400	64.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI 300	64.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 200	64.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 100	64.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI AI	64.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

24255

WHIDBEY ISLAND, WASHINGTON

73-77

NOV
MONTH
16

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	21.3	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 20000	26.7	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
AI 18000	28.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
AI 16000	28.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
AI 14000	30.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
AI 12000	32.0	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
AI 10000	36.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
AI 9000	36.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
AI 8000	40.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
AI 7000	41.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
AI 6000	42.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
AI 5000	48.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
AI 4500	49.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
AI 4000	53.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
AI 3500	54.0	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
AI 3000	56.0	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
AI 2500	56.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 2000	57.3	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 1800	58.0	81.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
AI 1500	58.7	84.0	85.3	85.3	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7
AI 1200	60.0	87.3	88.7	88.7	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0
AI 1000	60.0	89.3	92.0	92.0	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3
AI 900	60.0	90.0	92.7	92.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0
AI 800	60.0	91.3	94.0	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
AI 700	60.0	91.3	94.0	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
AI 600	60.0	91.3	94.0	94.7	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
AI 500	60.0	91.3	94.0	94.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
AI 400	60.0	91.3	94.0	94.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
AI 300	60.0	91.3	94.0	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
AI 200	60.0	91.3	94.0	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
AI 100	60.0	91.3	94.0	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
0	60.0	91.3	94.0	94.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	6.7	31.3	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 20000	7.3	34.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 18000	7.3	34.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 16000	7.3	34.0	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	8.0	35.3	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 12000	8.7	39.3	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 10000	9.3	42.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 9000	9.3	43.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 8000	10.0	48.7	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 7000	10.7	52.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 6000	11.3	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	13.3	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	13.3	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4000	13.3	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	14.0	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	14.0	73.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2500	14.0	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	14.0	78.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	14.0	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	14.0	84.0	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1200	14.0	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	14.0	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	14.0	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
0	14.0	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

NOV

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	6.7	30.0	30.7	30.7	30.7	30.7	32.0	32.0	32.0	32.0	32.7	32.7	32.7
≥ 20000	6.7	32.0	32.7	32.7	32.7	32.7	34.0	34.0	34.0	34.0	34.7	34.7	34.7
≥ 18000	6.7	32.7	33.3	33.3	33.3	33.3	34.7	34.7	34.7	34.7	35.3	35.3	35.3
≥ 16000	6.7	32.7	33.3	33.3	33.3	33.3	34.7	34.7	34.7	34.7	35.3	35.3	35.3
≥ 14000	6.7	33.3	34.0	34.0	34.0	34.0	35.3	35.3	35.3	35.3	36.0	36.0	36.0
≥ 12000	6.0	36.7	37.3	37.3	37.3	37.3	38.7	38.7	38.7	38.7	39.3	39.3	39.3
≥ 10000	8.7	43.3	44.0	44.0	44.0	44.0	45.3	45.3	45.3	45.3	46.0	46.0	46.0
≥ 9000	8.7	43.3	44.0	44.0	44.0	44.0	45.3	45.3	45.3	45.3	46.0	46.0	46.0
≥ 8000	8.7	46.0	46.7	46.7	46.7	46.7	48.0	48.0	48.0	48.0	48.7	48.7	48.7
≥ 7000	9.3	48.7	49.3	49.3	49.3	49.3	50.7	50.7	50.7	50.7	51.3	51.3	51.3
≥ 6000	9.3	50.7	51.3	51.3	51.3	51.3	52.7	52.7	52.7	52.7	53.3	53.3	53.3
≥ 5000	9.3	57.3	58.0	58.0	58.0	58.0	59.3	59.3	59.3	59.3	60.0	60.0	60.0
≥ 4500	9.3	60.0	60.7	60.7	60.7	60.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7
≥ 4000	9.3	67.3	68.0	68.0	68.0	68.0	69.3	69.3	69.3	69.3	70.0	70.0	70.0
≥ 3500	9.3	69.3	70.0	70.0	70.0	70.0	71.3	71.3	71.3	71.3	72.0	72.0	72.0
≥ 3000	9.3	74.0	74.7	74.7	74.7	74.7	76.0	76.0	76.0	76.0	76.7	76.7	76.7
≥ 2500	9.3	80.7	81.3	81.3	81.3	81.3	82.7	82.7	82.7	82.7	83.3	83.3	83.3
≥ 2000	9.3	84.0	85.3	85.3	85.3	85.3	86.7	86.7	86.7	86.7	87.3	87.3	87.3
≥ 1800	9.3	85.3	86.7	86.7	86.7	86.7	88.0	88.0	88.0	88.0	88.7	88.7	88.7
≥ 1500	9.3	86.0	87.3	87.3	87.3	87.3	88.7	88.7	88.7	88.7	89.3	89.3	89.3
≥ 1200	10.0	88.7	90.0	90.0	90.0	90.0	91.3	91.3	91.3	91.3	92.0	92.0	92.0
≥ 1000	10.0	90.0	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3
≥ 900	10.0	90.0	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3
≥ 800	10.0	90.0	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3
≥ 700	10.0	90.0	91.3	91.3	91.3	91.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3
≥ 600	10.0	90.0	91.3	92.0	92.0	92.0	93.3	94.0	94.0	94.0	94.7	94.7	94.7
≥ 500	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 400	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 300	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 200	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 100	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0
≥ 0	10.0	90.0	91.3	92.0	92.0	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET

SMOS

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	11.1	24.8	25.3	25.3	25.3	25.3	25.7	25.7	25.8	25.9	26.0	26.0	26.3	26.6
≥ 20000	14.0	29.6	30.2	30.3	30.3	30.3	30.5	30.5	30.6	30.8	31.0	31.0	31.3	31.6
18000	14.6	30.3	30.9	31.1	31.1	31.1	31.3	31.3	31.3	31.5	31.8	31.8	32.1	32.3
16000	14.8	30.6	31.2	31.3	31.3	31.3	31.5	31.5	31.6	31.8	32.0	32.0	32.3	32.6
14000	16.1	32.0	32.6	32.8	32.8	32.8	32.9	32.9	33.0	33.2	33.4	33.4	33.8	34.0
12000	17.2	34.3	34.8	35.0	35.0	35.0	35.2	35.2	35.3	35.4	35.7	35.7	36.0	36.3
10000	19.3	39.0	39.6	39.8	39.8	39.9	40.1	40.1	40.2	40.4	40.7	40.7	41.0	41.3
9000	19.5	39.4	40.0	40.3	40.3	40.3	40.5	40.5	40.6	40.8	41.1	41.1	41.4	41.8
8000	21.9	44.8	45.5	45.8	45.8	45.8	46.0	46.0	46.1	46.3	46.6	46.6	46.9	47.3
7000	22.9	47.4	48.1	48.3	48.4	48.5	48.7	48.7	48.8	49.0	49.3	49.3	49.6	49.9
6000	23.5	49.1	49.8	50.0	50.1	50.2	50.3	50.3	50.4	50.7	50.9	50.9	51.3	51.6
5000	25.2	54.7	55.5	55.8	55.8	55.9	56.1	56.1	56.2	56.4	56.7	56.7	57.0	57.3
4500	25.7	56.3	57.3	57.5	57.7	57.8	57.9	57.9	58.0	58.3	58.5	58.5	58.8	59.2
4000	26.5	60.6	61.7	61.9	62.1	62.2	62.3	62.3	62.4	62.7	62.9	62.9	63.3	63.6
3500	27.1	63.0	64.1	64.3	64.5	64.6	64.8	64.8	64.9	65.2	65.4	65.4	65.8	66.1
3000	28.7	67.2	68.3	68.6	68.8	68.8	69.1	69.1	69.2	69.4	69.8	69.8	70.1	70.4
2500	29.1	71.3	72.8	73.0	73.2	73.3	73.5	73.5	73.6	73.8	74.2	74.2	74.5	74.8
2000	30.3	76.5	78.3	78.5	78.7	78.8	79.3	79.3	79.3	79.6	79.9	79.9	80.3	80.7
1800	30.7	77.8	79.7	79.9	80.1	80.2	80.7	80.7	80.8	81.0	81.3	81.3	81.7	82.1
1500	31.2	82.3	84.4	84.7	84.9	85.0	85.6	85.6	85.7	85.9	86.3	86.3	86.6	87.0
1200	31.6	85.0	87.2	87.4	87.8	87.9	88.5	88.5	88.6	88.8	89.2	89.2	89.5	89.9
1000	31.7	87.3	90.0	90.3	90.8	90.8	91.4	91.4	91.5	91.8	92.1	92.1	92.4	92.8
900	31.7	87.8	90.6	90.8	91.3	91.4	92.0	92.0	92.1	92.3	92.7	92.7	93.0	93.4
800	31.7	88.3	91.3	91.6	92.2	92.3	92.9	92.9	93.0	93.3	93.6	93.6	93.9	94.3
700	31.7	88.5	91.4	91.8	92.3	92.4	93.1	93.2	93.3	93.6	93.9	93.9	94.3	94.7
600	31.7	88.8	91.8	92.3	93.1	93.2	93.8	94.0	94.2	94.5	94.8	94.8	95.2	95.6
500	31.7	88.9	92.1	92.6	93.6	93.8	94.6	94.8	94.9	95.3	95.6	95.6	95.9	96.3
400	31.7	88.9	92.2	92.7	93.8	94.0	94.9	95.1	95.3	95.6	95.9	95.9	96.3	96.8
300	31.7	88.9	92.3	92.9	94.3	94.4	95.4	95.8	95.9	96.3	96.6	96.6	96.9	97.5
200	31.7	88.9	92.3	92.9	94.3	94.5	95.6	96.1	96.3	96.8	97.1	97.1	97.4	98.0
100	31.7	88.9	92.3	92.9	94.3	94.5	95.6	96.1	96.3	96.8	97.1	97.1	97.5	98.3
0	31.7	88.9	92.3	92.9	94.3	94.5	95.6	96.1	96.3	96.8	97.1	97.1	97.5	98.3

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

DEC

STATION NAME

YEARS

MONTH

01

HOURS (L S T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	3.2	23.9	24.3	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 20000	3.2	25.2	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 18000	3.2	25.2	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 16000	3.2	25.2	25.8	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 14000	3.2	25.8	26.5	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 12000	3.2	26.4	29.0	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 10000	3.2	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 9000	3.2	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 8000	3.2	34.2	34.8	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 7000	3.9	36.8	37.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 6000	3.9	37.4	38.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 5000	4.5	44.5	45.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	4.5	49.0	49.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	4.5	56.1	56.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	5.2	59.4	60.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3000	5.2	61.9	62.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	5.2	64.3	65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 2000	5.8	71.6	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	5.8	75.3	76.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	6.5	77.4	78.7	80.0	80.7	80.7	81.3	81.3	81.3	81.9	81.9	81.9
≥ 1200	6.5	81.3	83.2	84.3	85.2	85.2	85.8	85.8	85.8	86.5	86.5	86.5
≥ 1000	6.5	83.9	87.1	88.4	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3
≥ 900	6.5	85.2	89.0	90.3	91.0	91.0	91.6	91.6	91.6	92.3	92.3	92.3
≥ 800	6.5	86.5	91.0	92.3	92.9	92.9	93.6	93.6	93.6	94.2	94.2	94.2
≥ 700	6.5	86.5	91.6	92.9	93.6	93.6	94.2	94.2	94.2	94.8	94.8	94.8
≥ 600	6.5	87.1	92.3	93.6	94.2	94.2	94.8	94.8	94.8	95.5	95.5	95.5
≥ 500	6.5	87.1	92.3	93.6	94.2	94.2	96.1	96.1	96.1	96.8	96.8	96.8
≥ 400	6.5	87.1	92.9	94.8	95.5	95.5	97.4	97.4	97.4	98.1	98.1	98.1
≥ 300	6.5	87.1	92.9	94.8	95.5	95.5	97.4	98.1	98.1	98.7	98.7	98.7
≥ 200	6.5	87.1	92.9	94.8	95.5	95.5	97.4	98.1	98.1	98.7	98.7	98.7
≥ 100	6.5	87.1	92.9	94.8	95.5	95.5	97.4	98.1	98.1	98.7	98.7	98.7
0	6.5	87.1	92.9	94.8	95.5	95.5	97.4	98.1	98.1	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24224
151-100

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

DEC
MONTH

04
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	2.6	22.6	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 20000	2.6	25.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 18000	2.6	25.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 16000	2.6	25.8	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 14000	2.6	26.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 12000	2.6	29.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 10000	3.2	30.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000	3.2	31.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 8000	3.2	36.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 7000	3.2	38.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 6000	3.2	39.4	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 5000	3.2	42.6	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4500	3.2	43.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4000	3.9	49.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 3500	3.9	51.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3000	4.5	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	4.5	62.6	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 2000	4.5	69.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1800	4.5	71.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	5.2	75.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	5.2	79.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000	5.2	84.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 900	5.2	86.5	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 800	5.2	87.1	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	5.2	87.7	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 600	5.2	88.4	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	5.2	88.4	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME73-77
YEARSDEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	3.2	21.9	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 20000	3.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 18000	3.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 16000	3.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 14000	3.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 12000	3.9	23.9	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 10000	5.2	30.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000	5.8	31.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 8000	6.5	34.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 7000	7.1	36.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 6000	7.1	36.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 5000	8.4	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500	8.4	43.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4000	9.7	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 3500	10.3	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3000	11.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500	11.0	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2000	11.0	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 1800	11.0	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1500	11.0	76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	12.3	82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	12.3	84.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900	12.3	85.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	12.3	86.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 700	12.3	87.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	12.3	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	12.3	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	12.3	87.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	12.3	87.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200	12.3	87.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100	12.3	87.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0	12.3	87.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

YEARS

DEC
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	14.8	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
≥ 20000	16.8	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
≥ 18000	17.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 16000	18.1	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3	21.3
≥ 14000	18.7	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 12000	21.9	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
≥ 10000	23.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 9000	25.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 8000	27.1	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 7000	27.7	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 6000	29.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 5000	32.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 4500	34.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 4000	34.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 3500	37.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 3000	40.0	63.9	63.9	63.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	64.5
≥ 2500	41.3	67.1	67.1	67.1	67.1	67.1	67.1	67.7	67.7	67.7	67.7	67.7
≥ 2000	43.9	73.6	74.2	74.2	74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8
≥ 1800	45.8	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8
≥ 1500	46.5	78.1	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4
≥ 1200	50.3	87.1	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3
≥ 1000	50.3	88.4	90.3	91.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3
≥ 900	50.3	88.4	90.3	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9
≥ 800	50.3	89.7	92.3	93.6	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5
≥ 700	50.3	90.3	93.6	94.8	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 600	50.3	90.3	93.6	94.8	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 500	50.3	90.3	93.6	94.8	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8
≥ 400	50.3	90.3	93.6	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
≥ 300	50.3	90.3	93.6	94.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4
≥ 200	50.3	90.3	93.6	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1
≥ 100	50.3	90.3	93.6	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1
0	50.3	90.3	93.6	94.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	18.1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	21.3
≥ 20000	20.0	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	25.2
18000	20.7	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.8
16000	20.7	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.8
14000	21.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.1
12000	25.8	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	32.3
10000	29.7	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.8
9000	31.0	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	38.1
8000	34.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	43.2
7000	35.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	45.2
6000	36.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.5
5000	38.7	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	52.3
4500	38.7	51.6	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.9
4000	39.4	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5
3500	41.3	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4
3000	45.8	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8
2500	46.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.7
2000	52.3	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	78.1
1800	53.6	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	80.0
1500	55.5	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.5
1200	57.4	86.5	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	90.3
1000	57.4	88.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.9
900	57.4	89.0	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	93.6
800	57.4	89.7	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	94.2
700	57.4	89.7	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	94.2
600	57.4	90.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	95.5
500	57.4	91.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	97.4
400	57.4	91.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	98.1
300	57.4	91.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	98.7
200	57.4	91.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	99.4
100	57.4	91.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	99.4
0	57.4	91.6	94.2	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

DEC

STATION

STATION NAME

YEARS

MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	18.7	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9	21.9
≥ 20000	21.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
18000	21.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
16000	21.9	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
14000	24.5	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
12000	26.5	32.3	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
10000	33.6	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
9000	34.8	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
8000	36.8	46.3	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
7000	41.9	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
6000	41.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
5000	42.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
4500	42.6	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
4000	45.2	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
3500	45.8	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
3000	47.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2500	48.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
2000	51.0	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1800	51.6	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
1500	52.9	80.7	82.6	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9
1200	54.8	87.1	89.0	89.0	89.7	89.7	90.3	90.3	90.3	90.3	90.3
1000	55.5	89.7	91.6	91.6	92.3	92.3	92.9	92.9	92.9	92.9	92.9
900	56.1	91.0	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2
800	56.1	91.0	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2
700	56.1	91.0	92.9	92.9	93.6	93.6	94.8	94.8	94.8	94.8	94.8
600	56.1	91.0	92.9	92.9	93.6	93.6	94.8	94.8	94.8	94.8	94.8
500	56.1	91.6	93.6	94.2	95.5	95.5	96.8	96.8	96.8	96.8	96.8
400	56.1	91.6	94.2	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4
300	56.1	91.6	94.2	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4
200	56.1	91.6	94.2	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4
100	56.1	91.6	94.2	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4
0	56.1	91.6	94.2	94.8	96.1	96.1	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.4	30.3	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000	8.4	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
18000	8.4	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
16000	8.4	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
14000	8.4	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
12000	9.0	37.4	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
10000	9.7	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
9000	10.3	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
8000	10.3	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
7000	10.3	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
6000	11.0	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
5000	11.0	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
4500	11.0	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
4000	11.0	56.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
3500	11.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
3000	11.0	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2500	11.0	65.8	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
2000	11.0	72.9	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1800	11.0	74.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1500	11.0	78.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
1200	11.0	85.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1000	11.0	86.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
900	11.0	87.7	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
800	11.0	89.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
700	11.0	89.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
600	11.0	89.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
500	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
400	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
300	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
200	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
100	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0	11.0	89.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255

WHIDBEY ISLAND, WASHINGTON

73-77

DEC

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	1.9	27.7	28.4	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
≥ 20000	2.6	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 18000	2.6	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 16000	2.6	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 14000	2.6	31.0	31.6	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 12000	2.6	32.9	33.6	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥ 10000	3.2	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 9000	3.2	38.7	39.4	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 8000	3.9	41.9	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 7000	3.9	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 6000	3.9	44.5	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 5000	3.9	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 4500	3.9	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 4000	3.9	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 3500	3.9	57.4	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3000	3.9	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	5.2	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 2000	5.2	72.9	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	5.2	74.2	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1500	5.2	78.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	5.2	84.5	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	5.2	85.8	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 900	5.2	85.8	89.7	91.0	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 800	5.2	87.7	91.6	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2
≥ 700	5.2	88.4	92.3	93.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 600	5.2	89.7	93.6	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1
≥ 500	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 400	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 300	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 200	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
≥ 100	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7
0	5.2	91.0	95.5	96.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	8.9	23.3	23.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 20000	9.9	26.1	26.5	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.9
≥ 18000	10.1	26.3	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	27.1
≥ 16000	10.2	26.5	27.0	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.3
≥ 14000	10.7	27.6	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.5
≥ 12000	11.9	30.7	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.6
≥ 10000	13.9	34.8	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7
≥ 9000	14.6	35.7	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.7
≥ 8000	15.7	39.3	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.3
≥ 7000	16.7	41.7	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8
≥ 6000	17.1	42.7	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.8
≥ 5000	18.2	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.6
≥ 4500	18.3	49.1	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
≥ 4000	19.0	54.1	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
≥ 3500	19.8	57.1	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5
≥ 3000	21.1	62.3	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8
≥ 2500	21.6	66.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.7
≥ 2000	23.1	72.5	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.8
≥ 1800	23.6	74.4	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.9
≥ 1500	24.2	78.4	80.4	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.6
≥ 1200	25.3	84.2	86.9	87.3	87.7	87.7	88.1	88.2	88.3	88.3	88.3	88.4	88.4	88.5
≥ 1000	25.4	86.5	89.8	90.3	90.8	90.8	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.6
≥ 900	25.5	87.3	91.1	91.6	92.2	92.2	92.6	92.7	92.9	92.9	92.9	93.0	93.0	93.1
≥ 800	25.5	88.5	92.5	93.2	93.9	93.9	94.3	94.4	94.6	94.6	94.6	94.7	94.7	94.8
≥ 700	25.5	88.8	93.0	93.6	94.4	94.4	94.9	95.1	95.2	95.2	95.2	95.3	95.3	95.4
≥ 600	25.5	89.2	93.5	94.1	94.8	94.8	95.4	95.6	95.8	95.8	95.8	95.9	95.9	96.0
≥ 500	25.5	89.6	94.0	94.8	95.8	95.8	96.6	96.8	97.0	97.0	97.0	97.1	97.1	97.3
≥ 400	25.5	89.6	94.2	95.2	96.3	96.4	97.2	97.4	97.8	97.8	97.8	97.9	97.9	98.2
≥ 300	25.5	89.6	94.3	95.3	96.4	96.4	97.3	97.7	98.2	98.2	98.2	98.3	98.3	98.6
≥ 200	25.5	89.6	94.3	95.3	96.4	96.4	97.5	98.0	98.4	98.4	98.4	98.5	98.5	99.0
≥ 100	25.5	89.6	94.3	95.3	96.4	96.4	97.5	98.0	98.4	98.4	98.4	98.5	98.5	99.3
≥ 0	25.5	89.6	94.3	95.3	96.4	96.4	97.5	98.0	98.4	98.4	98.4	98.5	98.5	98.6

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L S T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	20.8	34.4	34.8	35.0	35.0	35.1	35.2	35.2	35.2	35.4	35.4	35.6
≥ 20000	23.9	39.3	39.7	39.9	40.0	40.0	40.2	40.2	40.2	40.4	40.5	40.7
≥ 18000	24.3	39.8	40.3	40.4	40.6	40.6	40.7	40.8	40.8	40.9	41.0	41.2
≥ 16000	24.4	39.9	40.4	40.5	40.7	40.7	40.8	40.9	40.9	41.1	41.1	41.3
≥ 14000	25.1	41.0	41.5	41.6	41.7	41.8	41.9	42.0	42.0	42.1	42.2	42.4
≥ 12000	26.5	43.3	43.8	43.9	44.1	44.1	44.2	44.3	44.3	44.5	44.5	44.8
≥ 10000	28.4	47.1	47.6	47.7	47.9	47.9	48.0	48.1	48.1	48.3	48.3	48.6
≥ 9000	28.8	47.7	48.2	48.3	48.5	48.5	48.7	48.7	48.7	48.9	49.0	49.2
≥ 8000	31.1	52.5	53.0	53.2	53.3	53.4	53.5	53.6	53.6	53.8	53.9	54.1
≥ 7000	32.1	54.6	55.1	55.3	55.5	55.5	55.6	55.7	55.7	55.9	56.0	56.2
≥ 6000	32.7	56.0	56.5	56.7	56.9	56.9	57.0	57.1	57.1	57.3	57.4	57.6
≥ 5000	34.4	60.5	61.1	61.3	61.4	61.5	61.6	61.7	61.7	61.9	62.0	62.2
≥ 4500	34.8	62.0	62.6	62.8	63.0	63.0	63.2	63.2	63.2	63.4	63.5	63.7
≥ 4000	36.4	66.9	67.6	67.8	68.0	68.0	68.1	68.2	68.2	68.4	68.5	68.7
≥ 3500	37.4	69.4	70.2	70.4	70.5	70.6	70.7	70.8	70.8	71.0	71.1	71.3
≥ 3000	38.5	73.9	74.8	75.1	75.3	75.3	75.5	75.6	75.6	75.8	75.9	76.1
≥ 2500	39.2	76.8	77.9	78.1	78.4	78.4	78.6	78.7	78.7	78.9	79.0	79.2
≥ 2000	40.4	81.6	82.8	83.1	83.3	83.4	83.6	83.7	83.7	83.9	84.0	84.2
≥ 1800	40.6	82.8	84.1	84.4	84.6	84.7	84.9	85.0	85.0	85.2	85.3	85.5
≥ 1500	41.1	85.6	87.1	87.4	87.8	87.8	88.1	88.2	88.2	88.4	88.5	88.7
≥ 1200	41.4	88.2	89.9	90.3	90.7	90.7	91.0	91.1	91.1	91.4	91.5	91.6
≥ 1000	41.5	89.6	91.6	92.1	92.6	92.6	92.9	93.0	93.0	93.3	93.4	93.6
≥ 900	41.5	89.9	92.0	92.6	93.1	93.1	93.4	93.5	93.6	93.8	93.9	94.1
≥ 800	41.5	90.5	92.7	93.3	93.9	94.0	94.3	94.4	94.4	94.7	94.8	95.0
≥ 700	41.5	90.8	93.0	93.6	94.2	94.3	94.7	94.8	94.9	95.1	95.2	95.4
≥ 600	41.5	91.0	93.3	93.9	94.6	94.7	95.1	95.2	95.2	95.5	95.6	95.8
≥ 500	41.6	91.1	93.5	94.3	95.1	95.2	95.7	95.8	95.9	96.2	96.3	96.5
≥ 400	41.6	91.2	93.7	94.5	95.4	95.5	96.0	96.2	96.3	96.6	96.7	97.0
≥ 300	41.6	91.3	93.8	94.7	95.6	95.7	96.3	96.6	96.7	97.0	97.2	97.5
≥ 200	41.6	91.3	93.9	94.8	95.8	95.9	96.5	96.9	97.0	97.4	97.6	98.0
≥ 100	41.6	91.4	93.9	94.8	95.8	95.9	96.6	97.0	97.1	97.6	97.8	98.4
0	41.6	91.4	93.9	94.8	95.8	95.9	96.6	97.0	97.1	97.6	97.9	98.5

TOTAL NUMBER OF OBSERVATIONS

14608

SKY COVER

24255
STATIONWHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

PERIOD

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	01	10.3	1.3	6.5	1.3	.6		5.2	3.9	5.8	2.6	62.6	155
	04	9.0	1.3	1.9	2.6	1.9	2.6	1.9	4.5	3.9	1.3	69.0	155
	07	5.8	1.3	4.5	1.3	.6	1.9	3.9	3.2	11.0	6.5	60.0	155
	10	7.7	3.9	1.3	1.3	.6	2.6	3.9	2.6	7.7	7.7	60.6	155
	13	7.1	3.9	1.3	3.2	1.3	3.2	1.9	1.3	5.2	6.5	65.2	155
	16	7.7	1.9	2.6	2.6	1.3	3.9	.6	3.9	7.1	6.4	60.0	155
	19	11.0	2.6	4.5	1.9	3.9	3.2	1.3	3.2	4.5	1.3	62.6	155
	22	11.0	1.9	3.2	4.5	1.9	1.9	1.9	2.6	5.2	2.6	63.2	155
TOTALS		8.7	2.3	3.2	2.3	1.9	2.6	2.6	3.2	6.3	4.6	62.9	1240

5704 SKY COVER JAN 68

2

FE8
MONY

1990

NAVWEASERVCOM

SKY COVER

PERIOD

MAR
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	01	7.1	1.9	3.9	2.6	5.8	1.3	4.5	8.4	3.2	4.5	56.8	7.7	155
	04	9.7	.6	3.2	3.2	2.6	2.6	.6	2.6	8.4	3.2	63.2	7.9	155
	07	1.9	2.6	1.9	5.2	1.3	1.9	2.6	5.2	9.7	12.3	55.5	8.3	155
	10	3.2	2.6	1.9	3.2	1.9	2.6	4.5	4.5	9.7	14.8	51.0	8.2	155
	13	2.6	1.3	5.2	7.1	4.5	3.2	1.9	6.5	10.3	8.4	49.0	7.7	155
	16	3.2	3.2	5.2	3.9	3.2	4.5	.6	4.5	8.4	9.0	54.2	7.9	155
	19	4.5	4.5	3.9	4.5	2.6	2.6	2.6	7.1	13.5	9.7	44.5	7.5	155
	22	9.7	.6	6.5	1.9	5.2	3.2	4.5	3.2	7.7	5.8	51.6	7.4	155
TOTALS		5.2	2.2	4.0	4.0	3.4	2.7	2.7	5.3	8.9	8.5	53.2	7.8	1240

SKY COVER

STATION
24255

WHIDBEY ISLAND, WASHINGTON

WHIDBEY ISLAND, WASHINGTON

73-77

STATION NAME

APR

MONITOR

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	01	16.0	4.0	1.3	4.7	5.3	2.7	2.0	4.7	2.7	4.7	92.0	6.8	150
	04	7.3	2.7	6.0	2.0	6.0	3.3	5.3	6.7	2.7	6.7	51.3	7.3	150
	07	3.3	4.0	2.7	.7	4.0	2.7	2.0	4.0	10.7	14.7	51.3	8.1	150
	10	6.7	2.7	4.0	6.0	2.0	4.0	2.0	4.0	6.0	15.3	47.3	7.6	150
	13	8.0	2.7	8.0	5.3	5.3	.7	2.0	3.3	6.0	10.7	48.0	7.2	150
	16	6.7	2.0	6.0	5.3	7.3	6.0	2.7	4.0	6.7	8.7	44.7	7.1	150
	19	7.3	3.3	4.0	7.3	4.0	2.0	2.7	7.3	6.0	6.7	47.3	7.3	150
	22	11.3	4.0	7.3	6.0	3.3	2.0	4.0	5.3	4.0	3.3	49.3	6.8	150
TOTALS		8.3	3.2	4.9	4.7	4.7	2.9	2.8	4.9	5.6	9.1	48.9	7.3	1200

MONTH
MAY

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	14.8	3.2	1.3	5.8	1.3	3.2	4.5	10.3	7.7	4.5	43.2	6.8	155
	04	5.8	3.2	1.9	5.8	2.6	4.5	3.2	2.6	11.6	5.8	52.9	7.7	155
	07	5.2	2.6	3.9	2.6	2.6	3.9	1.3	4.5	6.5	7.7	59.4	8.0	155
	10	5.2	5.8	2.6	6.5	2.6	4.5	2.6	5.2	10.3	7.7	47.1	7.4	155
	13	1.9	7.7	3.9	5.2	3.9	6.5	3.9	11.0	7.1	6.5	42.6	7.2	155
	16	5.8	5.8	5.8	5.8	3.2	7.7	3.2	7.1	9.0	5.8	40.6	6.9	155
	19	8.4	3.9	5.8	6.5	7.1	3.2	3.2	5.2	7.1	8.4	41.3	6.8	155
	22	10.3	6.5	1.9	7.1	5.2	1.9	6.5	6.5	7.1	5.8	41.3	6.7	155
TOTALS		7.2	4.8	3.4	5.7	3.6	4.4	3.6	6.6	8.3	6.5	46.1	7.2	1240

AD-A062 048

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) WHIDBEY --ETC(U)
JUL 78

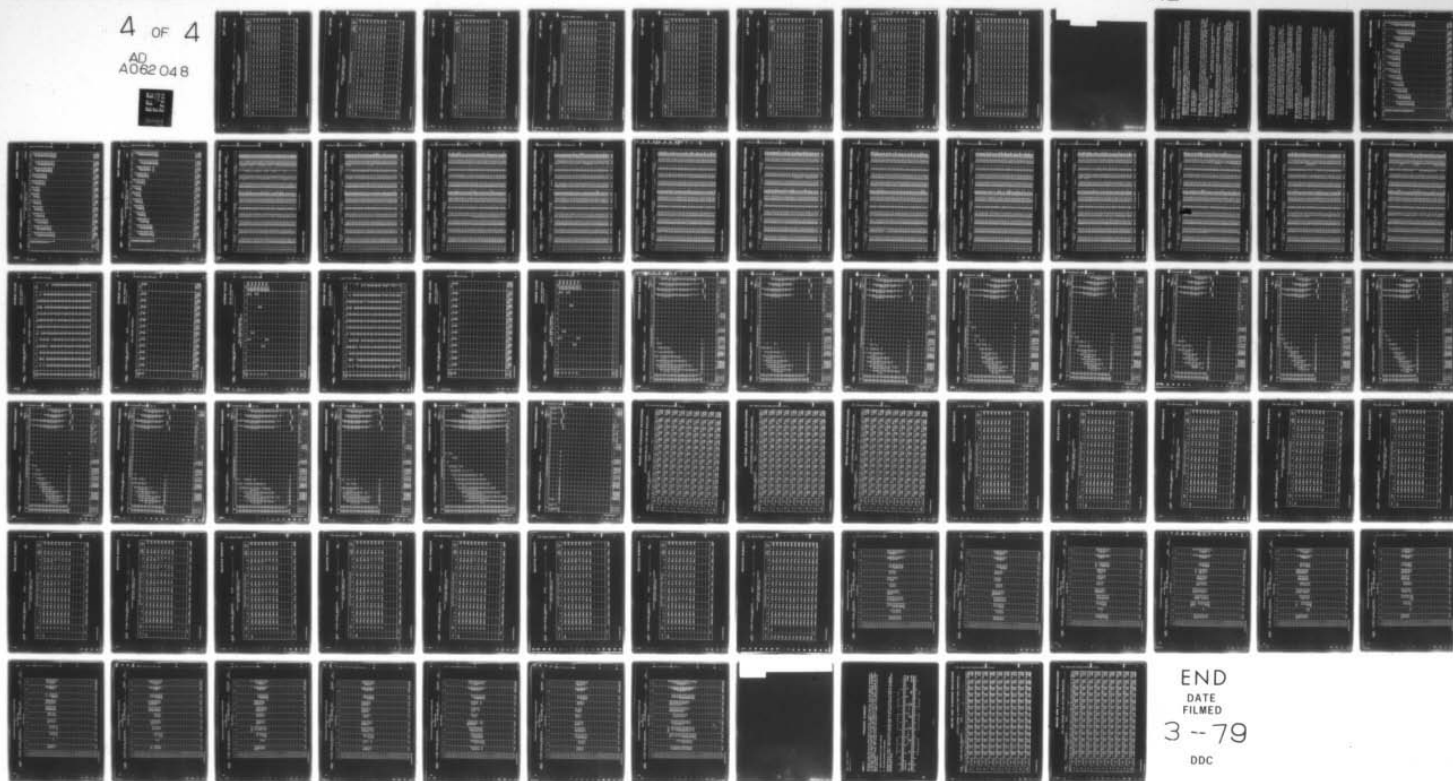
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4 OF 4

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MONTH
JUN

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NAVWEASERVCOM

AUG
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	23.2	1.9	5.8	5.8	3.2	.6	3.2	2.6	3.9	2.6	47.1	6.1	155
	06	12.9	5.8	2.6	3.2	1.3	3.2	1.3	4.5	.6	3.9	60.6	7.3	155
	07	9.7	3.2	3.2	1.3	2.6	1.3	2.6	2.6	1.9	5.8	65.8	7.9	155
	10	12.3	4.5	5.2	3.9	2.6	3.2	1.3	3.2	3.2	7.7	52.9	7.1	155
	13	18.7	6.5	5.2	7.1	2.6	3.9	5.2	4.5	3.9	9.7	32.9	5.8	155
	16	21.3	9.0	5.8	4.5	5.2	1.9	4.5	3.9	5.2	7.1	31.6	5.4	155
	19	21.9	7.1	6.5	5.8	4.5	3.2	2.6	5.2	5.8	6.5	31.0	5.4	155
	22	22.6	5.2	5.8	4.5	3.9	4.5	2.6	5.2	3.9	5.2	36.8	5.7	155
TOTALS		17.8	5.4	5.0	4.5	3.2	2.7	2.9	4.0	3.6	6.1	44.8	6.3	1260

2

2425
STATION

WASH

73-77

SEP

STATION NAME

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

5704 SKY COVER JAN 68

TOTALS

DAY
MONTH

NAVWEASERVCOM

NGV

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	01	4.0	3.3	3.3	4.0	2.7	.7	2.0	7.3	6.7	5.3	60.7	8.1	150
	04	6.0	3.3	3.3	3.3	4.0	2.7	2.7	4.0	6.0	2.7	62.0	7.9	150
	07	1.3	4.7	2.7	2.7	2.0	.7	2.7	4.0	6.7	8.0	64.7	8.5	150
	10	2.0	1.3	6.0	2.0	3.3	3.3	2.0	5.3	5.3	11.3	58.0	8.2	150
	13	3.3	.7	2.0	2.7	4.0	3.3	2.0	7.3	7.3	13.3	54.0	8.3	150
	16	2.7	3.3	1.3	5.3	1.3	2.0	2.0	2.0	11.3	8.7	60.0	8.3	150
	19	7.3	4.0	2.7	2.7	5.3	2.0	4.0	2.7	4.7	6.7	58.0	7.7	150
	22	8.0	3.3	4.0	4.7	2.0	3.3	3.3	4.7	4.0	4.7	58.0	7.6	150
TOTALS		4.3	3.0	3.3	3.6	3.1	2.3	2.6	4.7	6.5	7.6	50.4	8.1	1200

SKY COVER

5704 SKY COVER JAN 68

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

PERIOD

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
DEC	01	6.5	1.3	3.9	4.5	3.2		5.2	2.6	5.8	1.3	63.8	155
	04	4.5	3.2	3.2	3.9	1.9	3.2	3.2	1.9	5.8	4.5	64.5	155
	07	4.5	4.5	3.9	3.2	2.6	1.3	.6	3.2	6.5	5.8	63.9	155
	10	5.2		3.2	1.3		1.9	2.6	7.1	8.4	7.1	63.2	155
	13	5.2	1.9	1.3	3.9	1.9	2.6	.6	1.9	10.3	7.1	63.2	155
	16	5.2	1.9	2.6	2.6	2.6	.6	1.9	5.8	5.2	7.7	63.9	155
	19	7.7	.6	1.9	3.9	5.8	3.2	1.3	5.8	3.9	2.6	63.2	155
	22	7.7	1.3	3.2	3.2	3.2	2.6	2.6	3.2	8.4	.6	63.9	155
TOTALS		5.8	1.8	2.9	3.3	2.7	1.9	2.3	3.9	6.8	4.6	64.0	1240

SKY COVER

5704 SKY COVER JAN 68

24255
STATION

WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	8.7	2.3	3.2	2.3	1.5	2.4	2.6	3.2	6.3	4.6	62.9	7.9	1240
FEB		5.2	1.9	3.5	3.2	2.7	2.6	2.2	4.4	6.5	8.1	59.7	8.1	1128
MAR		5.2	2.2	4.0	4.0	3.4	2.7	2.7	5.3	6.9	8.5	53.2	7.8	1240
APR		8.3	3.2	4.9	4.7	4.7	2.9	2.8	4.9	5.6	9.1	48.9	7.3	1200
MAY		7.2	4.8	3.4	5.7	3.6	4.4	3.6	6.6	8.3	6.5	46.1	7.2	1240
JUN		8.8	4.8	5.3	6.3	2.9	2.7	4.8	5.8	9.7	8.2	40.9	6.9	1200
JUL		20.5	5.9	5.7	4.7	2.9	3.4	3.6	5.7	6.2	8.9	32.7	5.8	1240
AUG		17.8	5.4	5.0	4.5	3.2	2.7	2.9	4.0	3.6	6.1	44.8	6.3	1240
SEP		27.9	5.3	4.9	5.0	3.8	2.8	3.5	3.6	6.9	5.9	30.4	5.2	1200
OCT		8.3	2.6	5.0	3.9	2.8	2.9	3.2	4.7	8.1	7.5	51.0	7.4	1240
NOV		4.3	3.0	3.2	3.4	3.1	2.3	2.6	4.7	6.5	7.6	59.4	8.1	1200
DEC		5.8	1.8	2.9	3.3	2.7	1.9	2.3	3.9	6.8	4.6	64.0	8.1	1240
TOTALS		10.7	3.6	4.3	4.3	3.1	2.8	3.1	4.7	7.0	7.1	49.5	7.2	14608

NAYWEASERVCOM

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

STATION
24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

45-77

YEARS

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

NAVWEASERVCOM

DAILY TEMPERATURES

STATION 26235

WHIDBEY ISLAND, WASHINGTON

45-77

YEARS

MINIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

[illegible]

NAVWEASERVCOM

DAILY TEMPERATURES

24255
STATION

STATION NAME
WHIDDEY ISLAND, WASHINGTON

43-77

YEARS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

MEAN

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1946-1946 1948-1948 9999-9999

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	39.0	3.9	44.3	6.8	33.7	0.9	1964*
2	38.1	3.4	42.8	6.0	33.5	0.8	1953
3	36.6	2.6	41.6	5.3	31.7	-0.2	1953
4	37.5	3.1	42.2	5.7	32.8	0.4	1969
5	38.6	3.7	43.9	6.6	33.4	0.8	1954*
6	38.6	3.7	42.9	6.1	34.2	1.2	1966
7	39.8	4.3	44.6	7.0	35.0	1.7	1966*
8	40.4	4.7	45.3	7.4	35.5	1.9	1953
9	40.1	4.5	45.2	7.3	35.0	1.7	1953
10	39.3	4.1	43.9	6.6	34.8	1.6	1961
11	39.5	4.2	44.4	6.9	34.7	1.5	1953
12	39.7	4.3	45.0	7.2	34.3	1.3	1953
13	40.0	4.4	44.1	6.7	35.8	2.1	1968*
14	40.7	4.8	45.2	7.3	36.3	2.4	1968
15	41.3	5.2	45.7	7.6	36.9	2.7	1973*
16	40.8	4.9	45.0	7.2	36.7	2.6	1958
17	40.4	4.7	44.9	7.2	36.0	2.2	1977*
18	40.0	4.4	45.3	7.4	34.7	1.5	1971
19	39.1	3.9	44.4	6.9	33.8	1.0	1971
20	39.7	4.3	45.2	7.3	34.3	1.3	1968
21	39.8	4.3	45.0	7.2	34.7	1.5	1970
22	39.7	4.3	44.9	7.2	34.5	1.4	1970*
23	39.5	4.2	44.4	6.9	34.7	1.5	1953
24	39.4	4.1	44.3	6.8	34.5	1.4	1953*
25	38.2	3.4	44.1	6.7	32.3	0.2	1951
26	37.7	3.2	43.5	6.4	31.9	-0.1	1971
27	38.3	3.5	43.9	6.6	32.7	0.4	1952
28	38.0	3.3	43.9	6.6	32.2	0.1	1976
29	38.9	3.8	44.1	6.7	33.8	1.0	1960
30	39.1	3.9	44.8	7.1	33.3	0.7	1961
31	41.0	5.0	46.3	7.9	35.7	2.1	1960
Monthly	39.3	4.1	44.3	6.8	34.3	1.3	1960

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1946-1948 1950-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME		
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	40.3	4.6	46.1	7.8	55	12.8	34.5	1.4	6	-14.4	1950
2	40.0	4.4	46.3	7.9	59	15.0	33.8	1.0	8	-13.3	1950
3	41.9	5.5	47.7	8.7	59	15.0	36.2	2.3	8	-13.3	1950
4	41.8	5.4	47.3	8.5	57	13.9	36.4	2.4	17	-8.3	1972
5	41.1	5.1	47.3	8.5	58	14.4	35.0	1.7	22	-5.6	1948
6	41.4	5.2	47.5	8.6	59	15.0	35.2	1.8	19	-7.2	1948
7	41.8	5.4	48.4	9.1	59	15.0	35.2	1.8	24	-4.4	1971
8	42.1	5.6	48.1	8.9	58	14.4	36.1	2.3	26	-3.3	1973*
9	42.2	5.7	48.3	9.1	59	15.0	36.2	2.3	26	-3.3	1968
10	42.1	5.6	47.6	8.7	59	15.0	36.6	2.6	24	-4.4	1948
11	41.6	5.3	46.9	8.3	54	12.2	36.4	2.4	23	-5.0	1948
12	43.0	6.1	48.7	9.3	59	15.0	37.2	2.9	25	-3.9	1951*
13	43.2	6.2	48.3	9.1	55	12.8	38.2	3.4	27	-2.8	1951
14	42.7	5.9	48.5	9.2	55	12.8	36.9	2.7	19	-7.2	1956
15	42.1	5.6	47.1	8.4	56	13.3	37.1	2.8	12	-11.1	1956
16	42.6	5.9	48.3	9.1	56	13.3	36.9	2.7	17	-8.3	1956
17	42.9	6.1	48.3	9.1	55	12.8	37.5	3.1	28	-2.2	1956*
18	42.9	6.1	48.9	9.4	60	15.6	36.9	2.7	26	-3.3	1959*
19	41.7	5.4	47.8	8.8	58	14.4	35.6	2.0	27	-2.8	1967*
20	42.5	5.8	48.8	9.3	60	15.6	36.2	2.3	23	-5.0	1957
21	42.8	6.0	49.4	9.7	64	17.8	36.2	2.3	21	-6.1	1957
22	43.2	6.2	49.1	9.5	64	17.8	37.4	3.0	28	-2.2	1964*
23	42.8	6.0	49.1	9.5	59	15.0	36.6	2.6	26	-3.3	1952
24	42.6	5.9	49.1	9.5	58	14.4	36.1	2.3	24	-4.4	1962
25	42.2	5.7	48.3	9.1	56	13.3	36.1	2.3	21	-6.1	1962
26	41.4	5.2	47.1	8.4	56	13.3	35.7	2.1	19	-7.2	1962
27	41.6	5.3	48.4	9.1	61	16.1	34.8	1.6	20	-6.7	1962
28	41.2	5.1	47.5	8.6	54	12.2	34.9	1.6	22	-5.6	1960
29	39.4	4.1	45.1	7.3	55	12.8	33.6	0.9	24	-4.4	1960
30											
31											
Monthly	42.0	5.6	48.0	8.9	64	17.8	36.1	2.3	6	-14.4	1950

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1946-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	40.5	4.7	46.8	8.2	55	12.8	1968	34.2	1.2	23	-5.0	1971*
2	40.9	4.9	47.0	8.3	57	13.9	1969	34.8	1.6	25	-3.9	1951
3	40.5	4.7	46.1	7.8	64	17.8	1965	35.0	1.7	24	-4.4	1976*
4	39.8	4.3	46.6	8.1	61	16.1	1965	33.1	0.6	16	-8.9	1955
5	41.7	5.4	48.3	9.1	57	13.9	1968*	35.2	1.8	18	-7.8	1955
6	41.8	5.4	48.2	9.0	57	13.9	1952	35.5	1.9	26	-3.3	1975*
7	42.3	5.7	48.7	9.3	58	14.4	1973	36.0	2.2	27	-2.8	1974*
8	42.0	5.6	48.1	8.9	55	12.8	1954	35.9	2.2	27	-2.8	1951
9	42.4	5.8	48.7	9.3	60	15.6	1946	36.2	2.3	24	-4.4	1951
10	42.8	6.0	48.9	9.4	61	16.1	1965	36.8	2.7	19	-7.2	1951
11	43.0	6.1	49.7	9.8	70	21.1	1965	36.3	2.4	25	-3.9	1956
12	43.3	6.3	49.4	9.7	64	17.8	1965	37.2	2.9	26	-3.3	1956
13	42.8	6.0	49.1	9.5	60	15.6	1970*	36.4	2.4	25	-3.9	1967
14	44.3	6.8	50.7	10.4	62	16.7	1961	37.9	3.3	30	-1.1	1954
15	45.1	7.3	50.7	10.4	59	15.0	1969*	39.5	4.2	29	-1.7	1956
16	44.7	7.1	51.2	10.7	60	15.6	1967	38.2	3.4	30	-1.1	1965
17	44.2	6.8	50.7	10.4	61	16.1	1972	37.7	3.2	24	-4.4	1965
18	44.3	6.8	50.4	10.2	61	16.1	1961	38.2	3.4	22	-5.6	1965
19	44.2	6.8	50.9	10.5	58	14.4	1953	37.4	3.0	21	-6.1	1965
20	44.5	6.9	50.7	10.4	72	22.2	1968	38.4	3.6	30	-1.1	1974*
21	45.1	7.3	51.5	10.8	63	17.2	1963	38.8	3.8	27	-2.8	1971
22	44.8	7.1	51.3	10.7	65	18.3	1968	38.4	3.6	29	-1.7	1964*
23	44.9	7.2	51.1	10.6	60	15.6	1953	38.7	3.7	29	-1.7	1965
24	45.2	7.3	51.8	11.0	59	15.0	1961*	38.5	3.6	23	-5.0	1965
25	45.3	7.4	51.4	10.8	58	14.4	1961*	39.3	4.1	30	-1.1	1972
26	45.2	7.3	51.0	10.6	63	17.2	1969	39.4	4.1	31	-0.6	1955
27	44.5	6.9	50.7	10.4	60	15.6	1948	38.4	3.6	29	-1.7	1975
28	44.6	7.0	51.3	10.7	59	15.0	1966	37.9	3.3	29	-1.7	1964
29	46.0	7.8	52.2	11.2	61	16.1	1966	39.9	4.4	29	-1.7	1954
30	45.7	7.6	52.3	11.3	68	20.0	1969	39.0	3.9	30	-1.1	1954
31	45.8	7.7	52.0	11.1	60	15.6	1970	39.5	4.2	32	0.0	1975*
Monthly	43.6	6.4	49.9	9.9	72	22.2	1968	37.3	2.9	16	-8.9	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1945-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	45.5	7.5	51.2	10.7	58	14.4	39.8	4.3	30	-1.1	1975
2	45.7	7.6	52.6	11.4	63	17.2	38.7	3.7	30	-1.1	1953
3	45.7	7.6	52.9	11.6	63	17.2	38.4	3.6	32	0.0	1963
4	46.9	8.3	53.6	12.0	70	21.1	40.3	4.6	32	0.0	1969
5	46.8	8.2	53.6	12.0	66	18.9	40.0	4.4	32	0.0	1951
6	46.0	7.8	52.6	11.4	60	15.6	39.5	4.2	30	-1.1	1964
7	46.5	8.1	53.6	12.0	62	16.7	39.4	4.1	32	0.0	1973
8	46.9	8.3	53.5	11.9	64	17.8	40.2	4.6	30	-1.1	1952
9	47.4	8.6	53.8	12.1	70	21.1	41.0	5.0	34	1.1	1952
10	47.2	8.4	53.9	12.2	62	16.7	40.4	4.7	31	-0.6	1951
11	47.0	8.3	53.2	11.8	63	17.2	40.7	4.8	34	1.1	1965*
12	47.0	8.3	53.3	11.9	64	17.8	40.5	4.7	29	-1.7	1968
13	47.3	8.5	53.8	12.1	66	18.9	40.8	4.9	30	-1.1	1970
14	47.8	8.8	54.5	12.5	73	22.8	41.2	5.1	32	0.0	1951
15	47.2	8.4	53.4	11.9	65	18.3	41.0	5.0	35	1.7	1976*
16	47.3	8.5	54.3	12.4	66	18.9	40.3	4.6	32	0.0	1970*
17	47.3	8.5	54.0	12.2	68	20.0	40.6	4.8	31	-0.6	1964
18	47.3	8.5	53.1	11.7	65	18.3	41.5	5.3	29	-1.7	1964
19	48.0	8.9	54.5	12.5	64	17.8	41.6	5.3	31	-0.6	1951
20	47.4	8.6	53.6	12.0	61	16.1	41.2	5.1	29	-1.7	1951
21	48.3	9.1	54.6	12.6	63	17.2	42.0	5.6	28	-2.2	1968
22	48.5	9.2	54.4	12.4	63	17.2	42.7	5.9	34	1.1	1968
23	48.7	9.3	55.5	13.1	69	20.6	41.8	5.4	30	-1.1	1951
24	48.0	8.9	54.7	12.6	60	15.6	41.4	5.2	35	1.7	1964*
25	48.8	9.3	55.2	12.9	64	17.8	42.4	5.8	33	0.6	1955
26	49.2	9.6	55.7	13.2	70	21.1	42.7	5.9	33	0.6	1948
27	48.9	9.4	55.3	12.9	72	22.2	42.4	5.8	30	-1.1	1948
28	49.2	9.6	56.1	13.4	72	22.2	42.2	5.7	35	1.7	1973*
29	49.5	9.7	56.1	13.4	78	25.6	42.9	6.1	33	0.6	1973
30	50.2	10.1	56.9	13.8	76	24.4	43.5	6.4	31	-0.6	1954
31											
Monthly	47.6	8.7	54.1	12.3	78	25.6	41.0	5.0	28	-2.2	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1945-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	50.4	10.2	57.1	13.9	68	20.0	43.7	6.5	32	0.0	1954
2	50.0	10.0	56.3	13.5	72	22.2	43.8	6.6	35	1.7	1951*
3	50.2	10.1	57.0	13.9	65	18.3	43.5	6.4	33	0.6	1950
4	49.7	9.8	56.5	13.6	74	23.3	43.0	6.1	37	2.8	1963*
5	51.2	10.7	57.8	14.3	76	24.4	44.5	6.9	35	1.7	1952
6	51.7	10.9	58.5	14.7	75	23.9	44.8	7.1	37	2.8	1962
7	51.8	11.0	58.9	14.9	71	21.7	44.6	7.0	35	1.7	1962
8	51.7	10.9	57.7	14.3	71	21.7	45.8	7.7	40	4.4	1975
9	52.6	11.4	59.1	15.1	80	26.7	46.0	7.8	40	4.4	1963*
10	51.8	11.0	57.6	14.2	70	21.1	46.1	7.8	39	3.9	1970
11	51.4	10.8	57.9	14.4	68	20.0	44.8	7.1	35	1.7	1964
12	51.7	10.9	58.2	14.6	73	22.8	45.1	7.3	38	3.3	1977
13	52.2	11.2	58.9	14.9	82	27.8	45.3	7.5	36	2.2	1964
14	52.0	11.1	59.1	15.1	75	23.9	45.0	7.2	33	0.6	1964
15	51.9	11.1	58.8	14.9	68	20.0	45.0	7.2	34	1.1	1964
16	52.4	11.3	59.2	15.1	72	22.2	45.7	7.6	39	3.9	1974*
17	53.1	11.7	60.5	15.8	70	21.1	45.8	7.7	33	0.6	1974
18	53.8	12.1	61.3	16.3	75	23.9	46.4	8.0	37	2.8	1966
19	53.6	12.0	60.4	15.8	82	27.8	46.9	8.3	40	4.4	1972*
20	53.7	12.1	60.1	15.6	73	22.8	47.2	8.4	38	3.3	1975
21	53.1	11.7	59.9	15.3	78	25.6	46.4	8.0	35	1.7	1971
22	53.4	11.9	59.5	15.3	74	23.3	47.3	8.5	41	5.0	1960*
23	53.8	12.1	60.2	15.7	79	26.1	47.3	8.5	40	4.4	1964
24	53.5	11.9	60.1	15.6	70	21.1	46.9	8.3	38	3.3	1950
25	53.5	11.9	60.5	15.8	73	22.8	46.4	8.0	37	2.8	1977
26	54.0	12.2	61.2	16.2	74	23.3	46.9	8.3	38	3.3	1964*
27	53.8	12.1	60.1	15.6	70	21.1	47.5	8.6	38	3.3	1973
28	53.3	11.8	59.6	15.3	73	22.8	47.1	8.4	40	4.4	1973
29	53.5	11.9	59.8	15.4	72	22.2	47.2	8.4	39	3.9	1966
30	53.6	12.0	60.4	15.8	75	23.9	46.8	8.2	38	3.3	1951*
31	54.4	12.4	61.6	16.4	72	22.2	47.2	8.4	38	3.3	1953
Monthly	52.5	11.4	59.2	15.1	82	27.8	45.8	7.7	32	0.0	1954

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 24255 WHIDBEY ISLAND, WASHINGTON 1945-1977 MONTH JUNE YEARS

DAY	MEAN TEMP		AVERAGE		EXTREME		DATE		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C			°F	°C	°F	°C		
1	56.0	13.3	63.2	17.3	93	33.9	1970		48.9	9.4	42	5.6	1976	
2	55.2	12.9	61.8	16.6	75	23.9	1970		48.7	9.3	40	4.4	1954	
3	55.1	12.8	61.3	16.3	71	21.7	1969		48.9	9.4	44	6.7	1964	
4	54.9	12.7	61.0	16.1	70	21.1	1967		48.8	9.3	43	6.1	1966	
5	55.3	12.9	62.8	17.1	74	23.3	1969		47.8	8.8	41	5.0	1953	
6	55.8	13.2	62.6	17.0	75	23.9	1968		49.1	9.5	43	6.1	1955	
7	55.6	13.1	62.0	16.7	74	23.3	1968		49.2	9.6	42	5.6	1955	
8	55.4	13.0	61.9	16.6	72	22.2	1968		49.0	9.4	44	6.7	1971*	
9	56.1	13.4	62.9	17.2	85	29.4	1955		49.3	9.6	41	5.0	1971	
10	55.2	12.9	61.3	16.3	71	21.7	1965		49.0	9.4	43	6.1	1977	
11	55.3	12.9	61.5	16.4	69	20.6	1959		49.1	9.5	42	5.6	1952	
12	55.5	13.1	61.8	16.6	69	20.6	1974*		49.1	9.5	44	6.7	1974*	
13	55.9	13.3	62.4	16.9	72	22.2	1974		49.4	9.7	39	3.9	1952	
14	55.9	13.3	62.5	16.9	75	23.9	1963		49.2	9.6	42	5.6	1976	
15	56.1	13.4	62.8	17.1	74	23.3	1965		49.4	9.7	43	6.1	1971	
16	56.7	13.7	63.6	17.6	75	23.9	1958*		49.8	9.9	44	6.7	1955	
17	58.0	14.4	65.6	18.7	81	27.2	1969		50.5	10.3	44	6.7	1971	
18	57.0	13.9	63.8	17.7	76	24.4	1967		50.3	10.2	46	7.8	1976*	
19	56.7	13.7	63.2	17.3	71	21.7	1967		50.2	10.1	37	2.8	1955	
20	57.3	14.1	63.7	17.6	74	23.3	1970		51.0	10.6	43	6.1	1955	
21	56.2	13.4	62.1	16.7	75	23.9	1951		50.4	10.2	44	6.7	1956	
22	56.5	13.6	63.1	17.3	72	22.2	1964		49.9	9.9	44	6.7	1965*	
23	56.5	13.6	62.7	17.1	72	22.2	1962*		50.2	10.1	43	6.1	1952	
24	56.8	13.8	63.1	17.3	76	24.4	1945		50.5	10.3	43	7.2	1971*	
25	56.2	13.4	62.2	16.8	75	23.9	1968		50.2	10.1	43	6.1	1966	
26	56.4	13.6	62.4	16.9	75	23.9	1968		50.4	10.2	44	6.7	1960	
27	56.4	13.6	62.0	16.7	74	23.3	1951		50.9	10.5	44	6.7	1976	
28	56.7	13.7	62.9	17.2	75	23.9	1951		50.5	10.3	43	7.2	1966	
29	57.3	14.1	63.7	17.6	83	28.3	1951		50.8	10.4	41	5.0	1975	
30	57.5	14.2	65.0	18.3	79	26.1	1951		49.9	9.9	44	6.7	1949	
31														
Monthly	56.2	13.4	62.7	17.1	93	33.9	1970		49.7	9.8	37	2.8	1955	

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

1945-1977
YEARS

JULY
MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	AVERAGE ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° C	
1	56.8	13.8	63.5	17.5	78	25.6	1968
2	57.0	13.9	63.5	17.5	80	26.7	1968
3	57.1	13.9	64.1	17.8	82	27.8	1972
4	58.2	14.6	65.1	18.4	77	25.0	1972
5	57.5	14.2	64.0	17.8	74	23.3	1960*
6	58.6	14.8	65.9	18.8	80	26.7	1945
7	58.0	14.4	65.2	18.4	75	23.9	1953*
8	58.3	14.6	65.2	18.4	78	25.6	1952
9	58.4	14.7	65.0	18.3	78	25.6	1945
10	58.3	14.6	64.8	18.2	78	25.6	1945
11	58.5	14.7	64.7	18.2	86	30.0	1951
12	58.7	14.8	65.6	18.7	83	28.3	1961
13	58.3	14.6	65.5	18.6	78	25.6	1973
14	58.8	14.9	65.6	18.7	75	23.9	1973
15	59.0	15.0	66.2	19.0	79	26.1	1952
16	58.6	14.8	65.4	18.6	75	23.9	1973
17	59.8	15.4	67.8	19.9	82	27.8	1972
18	59.5	15.3	66.5	19.2	82	27.8	1959
19	59.3	15.2	66.4	19.1	79	26.1	1956
20	59.1	15.1	65.9	18.8	82	27.8	1946
21	58.8	14.9	66.2	19.0	77	25.0	1946
22	59.1	15.1	66.0	18.9	77	25.0	1962
23	58.9	14.9	66.4	19.1	78	25.6	1958
24	58.5	14.7	65.7	18.7	78	25.6	1945
25	59.2	15.1	66.6	19.2	78	25.6	1945
26	59.5	15.3	66.9	19.4	79	26.1	1971
27	59.1	15.1	65.9	18.8	78	25.6	1958
28	59.3	15.2	66.6	19.2	78	25.6	1958
29	59.0	15.0	66.1	18.9	77	25.0	1968*
30	59.5	15.3	66.9	19.4	76	24.4	1968*
31	60.3	15.7	67.9	19.9	81	27.2	1965
Monthly	58.7	14.8	65.7	18.7	86	30.0	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1945-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		DATE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C			° F	° C	° F	° C		
1	59.2	15.1	65.9	18.8	78	25.6	1965	52.6	11.4	47	8.3	1976	47	8.3	47	8.3	1976	1976
2	58.8	14.9	65.6	18.7	76	24.4	1964	52.0	11.1	45	7.2	1946	45	7.2	45	7.2	1946	1946
3	59.0	15.0	65.4	18.6	80	26.7	1952	52.6	11.4	46	7.8	1956	46	7.8	46	7.8	1956	1956
4	59.4	15.2	66.0	18.9	77	25.0	1952	52.7	11.5	46	7.8	1950	46	7.8	46	7.8	1950	1950
5	59.0	15.0	65.4	18.6	78	25.6	1945	52.5	11.4	49	9.4	1960	49	9.4	49	9.4	1960	1960
6	59.6	15.3	67.4	19.7	81	27.2	1945	51.9	11.1	45	7.2	1951	45	7.2	45	7.2	1951	1951
7	59.0	15.0	65.8	18.8	79	26.1	1972	52.3	11.3	46	7.8	1948*	46	7.8	46	7.8	1948*	1948*
8	59.9	15.5	67.5	19.7	88	31.1	1960	52.2	11.2	47	8.3	1946	47	8.3	47	8.3	1946	1946
9	59.9	15.5	68.2	20.1	84	28.9	1960	51.7	10.9	46	7.8	1975*	46	7.8	46	7.8	1975*	1975*
10	59.4	15.2	66.3	19.2	82	27.8	1977	52.3	11.3	45	7.2	1964	45	7.2	45	7.2	1964	1964
11	59.3	15.3	66.8	19.3	83	28.3	1977	52.3	11.3	45	7.2	1966	45	7.2	45	7.2	1966	1966
12	59.3	15.2	66.2	19.0	80	26.7	1977	52.4	11.3	46	7.8	1975	46	7.8	46	7.8	1975	1975
13	58.9	14.9	65.5	18.6	76	24.4	1965	52.4	11.3	46	7.8	1955	46	7.8	46	7.8	1955	1955
14	58.7	14.8	65.5	18.6	74	23.3	1963*	52.0	11.1	46	7.8	1970*	46	7.8	46	7.8	1970*	1970*
15	59.2	15.1	65.6	18.7	77	25.0	1967	52.7	11.5	48	8.9	1974*	48	8.9	48	8.9	1974*	1974*
16	58.7	14.8	64.8	18.2	80	26.7	1977	52.6	11.4	47	8.3	1969	47	8.3	47	8.3	1969	1969
17	59.1	15.1	66.6	19.2	78	25.6	1977	51.5	10.8	44	6.7	1969*	44	6.7	44	6.7	1969*	1969*
18	58.6	14.8	65.3	18.6	76	24.4	1946	51.8	11.0	44	6.7	1973	44	6.7	44	6.7	1973	1973
19	58.8	14.9	66.0	18.9	74	23.3	1966*	51.6	10.9	43	6.1	1973	43	6.1	43	6.1	1973	1973
20	59.8	15.4	67.1	19.5	76	24.4	1959*	52.6	11.4	49	9.4	1973*	49	9.4	49	9.4	1973*	1973*
21	58.7	14.8	65.6	18.7	76	24.4	1945	51.7	10.9	43	7.2	1947	43	7.2	43	7.2	1947	1947
22	58.7	14.8	66.2	19.0	74	23.3	1961	51.3	10.7	44	6.7	1969	44	6.7	44	6.7	1969	1969
23	58.2	14.6	65.0	18.3	77	25.0	1966	51.3	10.7	44	6.7	1969	44	6.7	44	6.7	1969	1969
24	58.5	14.7	65.3	18.5	74	23.3	1964*	51.8	11.0	45	7.2	1973	45	7.2	45	7.2	1973	1973
25	57.8	14.3	64.3	17.9	73	23.9	1953	51.4	10.8	43	7.2	1973*	43	7.2	43	7.2	1973*	1973*
26	58.7	14.8	65.8	18.8	76	24.4	1967	51.5	10.8	42	5.6	1949	42	5.6	42	5.6	1949	1949
27	57.8	14.3	63.9	17.7	72	22.2	1974*	51.6	10.9	46	7.8	1971	46	7.8	46	7.8	1971	1971
28	59.0	15.0	67.0	19.4	81	27.2	1967	51.0	10.6	43	7.2	1952*	43	7.2	43	7.2	1952*	1952*
29	58.6	14.8	66.3	19.1	79	26.1	1974	51.0	10.6	43	6.1	1966	43	6.1	43	6.1	1966	1966
30	58.2	14.6	65.1	18.4	73	22.8	1962	51.4	10.8	43	6.1	1963*	43	6.1	43	6.1	1963*	1963*
31	58.0	14.4	65.5	18.6	80	26.7	1967	50.5	10.3	44	6.7	1973	44	6.7	44	6.7	1973	1973
Monthly	58.9	14.9	65.9	18.8	88	31.1	1960	51.9	11.1	42	5.6	1949	42	5.6	42	5.6	1949	1949

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1972

24255

WHIDBEY ISLAND, WASHINGTON

1945-1977

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	57.8	14.3	65.3	18.5	78	25.6	1967	50.4	10.2	42	5.6	1973*
2	58.4	14.7	66.2	19.0	80	26.7	1974	50.6	10.3	43	6.1	1960
3	58.0	14.4	66.1	18.9	75	23.9	1972	49.9	9.9	43	6.1	1960*
4	58.4	14.7	66.3	19.1	77	25.0	1962	50.6	10.3	44	6.7	1975*
5	57.9	14.4	65.5	18.6	78	25.6	1967	50.4	10.2	43	6.1	1969
6	57.3	14.1	64.3	17.9	72	22.2	1949	50.3	10.2	42	5.6	1965*
7	57.0	13.9	64.2	17.9	72	22.2	1967	49.9	9.9	42	5.6	1960*
8	57.3	14.1	65.2	18.4	75	23.9	1966	49.4	9.7	41	5.0	1976
9	57.1	13.9	65.1	18.4	75	23.9	1966*	49.2	9.6	41	5.0	1964
10	57.0	13.9	65.2	18.4	74	23.3	1967	48.7	9.3	41	5.0	1964*
11	57.3	14.1	64.9	18.3	75	23.9	1975	49.8	9.9	40	4.4	1949
12	57.0	13.9	65.2	18.4	75	23.9	1945	48.9	9.4	35	1.7	1949
13	57.0	13.9	65.4	18.6	85	29.4	1961	48.7	9.3	37	2.8	1970
14	56.2	13.4	63.2	17.3	76	24.4	1951	49.1	9.5	41	5.0	1971*
15	56.0	13.3	62.8	17.1	87	30.6	1967	49.2	9.6	39	3.9	1969
16	55.8	13.2	62.1	16.7	80	26.7	1973	49.6	9.8	44	6.7	1974*
17	55.8	13.2	62.9	17.2	77	25.0	1959	48.8	9.3	41	5.0	1947
18	55.3	12.9	63.1	17.3	75	23.9	1962	47.6	8.7	38	3.3	1947
19	55.3	12.9	62.8	17.1	70	21.1	1967	47.9	8.8	37	2.8	1947
20	55.4	13.0	63.5	17.5	86	30.0	1976	47.3	8.5	38	3.3	1968
21	55.0	12.8	62.8	17.1	79	26.1	1950	47.2	8.4	34	1.1	1955
22	54.8	12.7	62.2	16.8	73	22.8	1966	47.4	8.6	37	2.8	1955
23	54.9	12.7	62.5	16.9	71	21.7	1974	47.2	8.4	41	5.0	1961*
24	54.3	12.4	61.8	16.6	78	25.6	1967	46.8	8.2	36	2.2	1948
25	54.6	12.6	61.6	16.4	70	21.1	1966	47.5	8.6	36	2.2	1972
26	54.0	12.2	61.2	16.2	70	21.1	1967	46.7	8.2	36	2.2	1972
27	54.5	12.5	62.8	17.1	74	23.3	1963	46.1	7.8	29	-1.7	1972
28	54.0	12.2	61.1	16.2	70	21.1	1966*	46.9	8.3	38	3.3	1972
29	53.6	12.0	60.3	15.7	66	18.9	1952	46.8	8.2	39	3.9	1968*
30	53.7	12.1	61.1	16.2	70	21.1	1962	46.3	7.9	36	2.2	1948
31												
Monthly	56.0	13.3	63.6	17.6	87	30.6	1967	48.5	9.2	29	-1.7	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

24255

WHIOBEY ISLAND, WASHINGTON

1945-1977

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	° F	° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	53.7	12.1	61.3	68	46.0	34	1.1 1950*
2	53.4	11.9	61.1	70	45.8	32	0.0 1968
3	52.8	11.6	60.0	69	45.6	34	1.1 1968
4	52.2	11.2	59.3	69	45.1	34	1.1 1977
5	51.3	10.7	58.3	65	44.3	34	1.1 1974
6	51.8	11.0	58.9	67	44.7	34	1.1 1974
7	52.4	11.3	59.6	70	45.3	37	2.8 1949
8	53.4	11.9	59.9	72	46.8	34	1.1 1948
9	52.4	11.3	58.8	70	46.1	33	1.7 1960*
10	52.4	11.3	58.8	66	45.9	33	1.7 1965*
11	51.4	10.8	57.7	65	45.1	30	-1.1 1972
12	52.0	11.1	57.6	65	46.3	34	1.1 1972
13	51.7	10.9	58.0	68	45.4	33	1.7 1949
14	51.3	10.7	58.6	75	44.1	32	0.0 1949
15	49.6	9.8	57.0	71	42.3	32	0.0 1969
16	48.7	9.3	56.3	66	41.1	30	-1.1 1971
17	48.9	9.4	55.7	68	42.1	32	0.0 1971*
18	49.2	9.6	55.8	63	42.6	29	-1.7 1949
19	49.5	9.7	55.4	64	43.5	26	-3.3 1949
20	48.8	9.3	54.7	63	43.0	27	-2.8 1949
21	48.8	9.3	54.8	68	42.9	30	-1.1 1949
22	48.7	9.3	54.2	64	43.1	35	1.7 1950
23	48.8	9.3	55.4	63	42.2	33	1.7 1973*
24	49.3	9.6	55.2	64	43.4	34	1.1 1972*
25	48.9	9.4	55.4	66	42.3	32	0.0 1954
26	47.5	8.6	54.2	61	40.9	32	0.0 1968
27	47.4	8.6	54.1	64	40.7	26	-3.3 1971
28	47.6	8.7	53.8	64	41.4	22	-5.6 1971
29	47.8	8.8	53.6	62	42.0	27	-2.8 1971
30	47.3	8.5	53.0	70	41.6	27	-2.8 1972
31	48.2	9.0	54.3	66	42.2	29	-1.7 1951
Monthly	50.2	10.1	56.8	75	43.7	22	-5.6 1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24235

WHIDBEY ISLAND, WASHINGTON

1945-1977

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	46.7	8.2	53.1	11.7	63	17.2	1965	17.2	40.3	4.6	28	-2.2	1951
2	46.9	8.3	53.5	11.9	66	18.9	1970	18.9	40.3	4.6	30	-1.1	1973
3	47.8	8.8	54.0	12.2	66	18.9	1970	18.9	41.6	5.3	29	-1.7	1973*
4	47.1	8.4	53.6	12.0	68	20.0	1970	20.0	40.6	4.8	26	-3.3	1968
5	45.2	7.3	52.1	11.2	60	15.6	1975*	15.6	38.4	3.6	28	-2.2	1968*
6	45.7	7.6	51.3	10.7	61	16.1	1970	16.1	40.0	4.4	25	-3.9	1968
7	46.2	7.9	51.6	10.9	60	15.6	1965	15.6	40.9	4.9	29	-1.7	1945
8	45.1	7.3	51.1	10.6	59	15.0	1970	15.0	39.2	4.0	25	-3.9	1945
9	46.4	8.0	51.9	11.1	62	16.7	1954	16.7	41.0	5.0	27	-2.8	1950*
10	47.6	8.7	52.0	11.1	63	17.2	1954	17.2	43.2	6.2	33	0.6	1950
11	46.4	8.0	51.7	10.9	61	16.1	1973	16.1	41.1	5.1	14	-10.0	1955
12	45.5	7.5	50.4	10.2	60	15.6	1953	15.6	40.5	4.7	13	-10.6	1955
13	44.4	6.9	49.5	9.7	59	15.0	1953	15.0	39.3	4.1	11	-11.7	1955
14	43.0	7.2	49.8	9.9	59	15.0	1953	15.0	40.2	4.6	11	-11.7	1955
15	43.7	6.5	48.8	9.3	59	15.0	1970	15.0	38.5	3.6	9	-12.8	1955
16	42.8	6.0	48.6	9.2	63	17.2	1976	17.2	37.0	2.8	23	-5.0	1959
17	43.1	6.2	48.3	9.1	57	13.9	1949	13.9	37.8	3.2	19	-7.2	1955
18	43.8	6.6	48.5	9.2	57	13.9	1966*	13.9	39.1	3.9	21	-6.1	1977
19	43.3	6.3	48.6	9.3	60	15.6	1962	15.6	37.8	3.2	22	-5.6	1977
20	43.4	6.3	48.9	9.4	60	15.6	1966	15.6	37.8	3.2	20	-6.7	1977
21	42.1	5.6	47.7	8.7	58	14.4	1934	14.4	36.5	2.5	16	-8.9	1977
22	42.9	6.1	48.2	9.0	58	14.4	1934	14.4	37.6	3.1	21	-6.1	1977
23	44.3	6.8	49.3	9.6	58	14.4	1957	14.4	39.4	4.1	27	-2.8	1951
24	45.1	7.3	50.4	10.2	63	17.2	1947	17.2	39.8	4.3	28	-2.2	1951
25	44.1	6.7	49.1	9.5	59	15.0	1949	15.0	39.0	3.9	26	-3.3	1961
26	43.1	6.2	48.5	9.2	64	17.8	1950	17.8	37.7	3.2	23	-5.0	1958
27	42.5	5.8	48.2	9.0	56	13.3	1949	13.3	36.9	2.7	21	-6.1	1958
28	41.8	5.4	47.7	8.7	55	12.8	1966	12.8	35.8	2.1	24	-4.4	1976
29	41.6	5.3	47.5	8.6	57	13.9	1961*	13.9	35.6	2.0	20	-6.7	1975
30	43.3	6.3	48.1	8.9	55	12.8	1966*	12.8	38.5	3.6	25	-3.9	1976
31													
Monthly	44.6	7.0	50.1	10.1	68	20.0	1970	20.0	39.0	3.9	9	-12.8	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

24255

WHIDBEY ISLAND, WASHINGTON

1949-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	44.2	6.8	49.1	9.5	59	15.0	59	15.0	1958	1958	39.4	4.1	26	-3.3	1963	1963		
2	44.7	7.1	49.1	9.5	56	13.3	56	13.3	1958*	1958*	40.2	4.6	26	-3.3	1972	1972		
3	43.0	6.1	47.5	8.6	56	13.3	56	13.3	1965	1965	38.5	3.6	24	-4.4	1972	1972		
4	41.2	5.1	46.4	8.0	55	12.8	55	12.8	1945	1945	36.1	2.3	17	-8.3	1972	1972		
5	41.1	5.1	45.6	7.6	56	13.3	56	13.3	1962	1962	36.6	2.6	18	-7.8	1956	1956		
6	41.2	5.1	46.2	7.9	56	13.3	56	13.3	1973*	1973*	36.2	2.3	13	-9.4	1956	1956		
7	40.9	4.9	45.3	7.5	55	12.8	55	12.8	1970*	1970*	36.4	2.4	13	-10.6	1972	1972		
8	41.0	5.0	46.2	7.9	57	13.9	57	13.9	1957	1957	35.8	2.1	11	-11.7	1972	1972		
9	41.5	5.3	46.4	8.0	55	12.8	55	12.8	1950	1950	36.5	2.3	15	-9.4	1972	1972		
10	42.3	5.7	47.2	8.4	56	13.3	56	13.3	1967	1967	37.3	2.9	16	-8.9	1972	1972		
11	42.5	5.8	46.5	8.1	55	12.8	55	12.8	1950	1950	38.5	3.6	25	-3.9	1949	1949		
12	41.2	5.1	46.7	8.2	59	15.0	59	15.0	1952	1952	35.8	2.1	18	-7.8	1972	1972		
13	41.2	5.1	46.3	7.9	62	16.7	62	16.7	1952	1952	36.2	2.3	24	-4.4	1972*	1972*		
14	41.2	5.1	46.4	8.0	58	14.4	58	14.4	1962	1962	36.0	2.2	22	-5.6	1967	1967		
15	42.0	5.6	47.2	8.4	57	13.9	57	13.9	1976*	1976*	36.8	2.7	8	-13.3	1964	1964		
16	40.8	4.9	46.1	7.8	57	13.9	57	13.9	1974	1974	35.6	2.0	3	-16.1	1964	1964		
17	40.8	4.9	45.8	7.7	55	12.8	55	12.8	1958*	1958*	35.7	2.1	7	-13.9	1964	1964		
18	40.7	4.8	45.8	7.7	54	12.2	54	12.2	1972*	1972*	35.5	1.9	22	-5.6	1964*	1964*		
19	41.2	5.1	46.2	7.9	56	13.3	56	13.3	1973	1973	36.2	2.3	19	-7.2	1949	1949		
20	41.6	5.3	46.0	7.8	55	12.8	55	12.8	1973	1973	37.2	2.9	21	-6.1	1968	1968		
21	41.4	5.2	46.0	7.8	57	13.9	57	13.9	1950	1950	36.8	2.7	24	-4.4	1970	1970		
22	41.2	5.1	45.9	7.7	55	12.8	55	12.8	1954	1954	36.4	2.4	24	-4.4	1970	1970		
23	42.4	5.8	46.6	8.1	57	13.9	57	13.9	1950	1950	38.2	3.4	25	-3.9	1948	1948		
24	41.8	5.4	46.2	7.9	62	16.7	62	16.7	1963	1963	37.3	2.9	24	-4.4	1962	1962		
25	40.4	4.7	44.8	7.1	53	11.7	53	11.7	1957	1957	36.0	2.2	23	-5.0	1962*	1962*		
26	40.1	4.5	45.2	7.3	56	13.3	56	13.3	1975*	1975*	34.9	1.6	13	-10.6	1971	1971		
27	40.1	4.5	45.2	7.3	56	13.3	56	13.3	1947	1947	34.9	1.6	13	-10.6	1971	1971		
28	39.6	4.2	44.0	6.7	53	11.7	53	11.7	1949	1949	35.2	1.8	7	-13.9	1968	1968		
29	39.8	4.3	44.0	6.7	54	12.2	54	12.2	1975	1975	35.7	2.1	3	-16.1	1968	1968		
30	40.0	4.4	44.3	6.8	57	13.9	57	13.9	1963	1963	35.7	2.1	5	-15.0	1968	1968		
31	39.0	3.9	44.4	6.9	58	14.4	58	14.4	1963	1963	33.5	0.8	10	-12.2	1951	1951		
Monthly	41.3	5.2	46.1	7.8	62	16.7	62	16.7	1963*	1963*	36.5	2.3	3	-16.1	1968*	1968*		

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

24255

WHIDBEY ISLAND, WASHINGTON

STATION NAME

45-77

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	52	58	60	61	70	78	80	81	75	72	55	54	
46		57	58	60	74	74	82	76	71	65	55		
47	50	55	60	63	68	73	76	75	70	69	63	48	
48													
49	50	59	60	61	75	74	73	74	73	60	60	55	79
50													
51	56	54	55	66	66	83	86	76	79	66	64	58	
52	57	59	60	68	63	67	79	80	73	67	57	50	
53	59	56	60	66	76	66	75	75	73	65	62	62	
54	53	54	59	62	65	66	68	71	72	69	60	53	76
55	52	53	54	57	66	85	65	73	74	63	58	50	85
56	55	49	55	60	75	70	79	71	68	66	58	54	79
57	51	54	56	68	69	67	71	72	73	65	58	57	73
58	57	60	60	66	72	76	78	75	74	70	59	59	78
59	53	54	56	70	82	72	82	76	77	66	59	54	82
60	64	55	58	65	77	68	75	88	69	66	56	57	88
61	58	58	62	65	82	76	83	78	83	68	57	56	85
62	55	59	57	62	67	73	77	74	77	70	60	58	77
63	53	59	63	66	78	75	74	75	75	75	58	62	78
64	54	53	55	56	68	72	73	78	68	64	54	52	78
65	52	55	70	72	63	74	81	78	69	70	63	56	81
66	56	64	61	70	72	74	71	77	75	64	60	57	77
67	55	56	60	59	71	76	75	81	87	70	59	56	87
68	58	60	72	64	73	75	80	74	70	64	56	55	80
69	53	56	68	66	79	81	73	73	70	67	59	55	81
70	61	56	60	59	67	93	77	71	67	68	68	55	93
71	58	55	59	70	68	65	79	79	70	67	56	51	79
72	52	61	61	69	73	68	82	79	77	65	58	54	82
73	57	56	58	59	75	71	78	73	80	64	61	56	80
74	55	53	59	73	63	72	76	79	80	65	57	57	80
MEAN													
S. D.													
TOTAL OBS.													

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

45-77

WHIDBEY ISLAND, WASHINGTON

STATION NAME

YEARS

24255

STATION

WHOLE DEGREES FAHRENHEIT

[illegible]

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

45-77

WHIDBEY ISLAND, WASHINGTON

24255

STATION NAME

YEARS

**WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/**

[illegible]

NAVWEASERVCOM

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

45-77

WHIDBEY ISLAND, WASHINGTON

24233
STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	29	30	30	36	36	46	48	49	44	39	23	23	
46		28	26	34	36	45	48	45	40	27	26	23	
47	25	19	29	37	38	45	46	45	37	36	26		
48				30	35	47	46	46	36		27	21	
49			28	34	36	43	42	42	35	26	33	19	
50	1-	6	31	33	33	41	46	43	37	33	27	29	1-
51	13	24	19	30	33	43	42	43	39	29	27	10	
52	9	26	29	30	35	39	42	45	41	36	21	30	
53	30	30	33	30	38	41	48	49	41	36	34	31	30
54	17	27	25	31	32	40	46	47	37	32	31	27	
55	30	25	16	33	38	37	43	46	34	35	9	23	9
56	17	12	25	34	36	44	48	46	42	31	27	15	12
57	12	21	32	36	44	47	47	45	41	35	30	30	12
58	31	30	29	37	39	48	48	51	41	36	21	29	21
59	13	28	33	34	38	47	48	45	41	33	23	25	13
60	21	22	25	35	40	44	47	49	39	35	29	22	21
61	26	31	26	36	41	44	48	50	39	35	26	28	26
62	12	19	27	34	35	44	42	46	46	39	36	23	12
63	13	30	29	32	37	44	45	46	42	36	27	26	13
64	31	26	27	29	33	44	46	45	39	31	27	3	3
65	28	30	21	32	38	44	48	43	38	35	29	23	21
66	27	25	27	34	37	43	46	43	42	37	29	26	24
67	27	26	25	31	41	47	46	45	44	40	28	21	21
68	21	24	28	28	40	45	49	47	38	31	25	3	3
69	9	26	29	33	39	44	51	44	39	32	23	27	9
70	24	29	23	30	38	45	47	46	37	31	25	24	23
71	22	24	23	34	35	41	41	45	40	22	29	13	13
72	5	12	30	31	35	42	46	45	29	27	28	11	5
73	9	25	31	32	38	44	44	43	42	37	29	26	9
74	14	27	27	35	33	44	47	48	40	34	30	27	14
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

MONTH YEAR	MONTH												ALL MONTHS
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
75	21	23	26	30	38	41	49	46	42	33	20	26	20
76	26	23	21	32	40	42	43	46	41	32	23	27	21
77	23	30	33	33	37	42	44	48	42	34	16	23	16
MEAN	19.4	24.5	27.0	32.8	37.3	43.5	46.0	45.9	39.5	33.3	26.3	22.3	16.9
S. D.	8.564	5.653	4.068	2.375	2.695	2.489	2.417	2.118	3.251	4.005	3.071	7.417	7.727
TOTAL OBS.	930	876	992	960	961	960	1023	1023	990	992	990	961	11658

NAVWEASERVCOM

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

45-77

WHIDDEY ISLAND, WASHINGTON

STATION

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

24255

WHIDBEY ISLAND, WASHINGTON

73-77

JAN

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb
56/ 55		.9	.3	.2	.2		.1	.1										4	4
54/ 53		1.6	.6	.3	.1	.2	.2	.2										23	23
52/ 51		2.0	1.2	.6	.1	.2	.2	.2										32	32
50/ 49	.3	2.0	1.2	.6	.1	.2	.2	.2										56	56
48/ 47	.9	4.8	1.5	1.0	.2	.2	.2	.2										106	106
46/ 45	2.1	4.5	2.3	1.2	.4	.5	.5	.5										137	137
44/ 43	1.8	4.0	4.4	1.0	.4	.1	.1	.1										143	143
42/ 41	2.6	4.8	4.7	.7	.5	.2	.2	.2										166	166
40/ 39	1.5	4.4	3.0	.9	.7	.1	.1	.1										131	131
38/ 37	.9	2.9	1.8	.6	.3													80	80
36/ 35	1.0	2.5	.8	.5	.2													62	62
34/ 33	1.8	2.7	.9	.6														75	75
32/ 31	1.0	2.9	.8	.6														67	67
30/ 29	1.0	1.6	.6	.2														42	42
28/ 27	.7	1.7	.2	.1														34	34
26/ 25	.7	1.5	.3															32	32
24/ 23	.1	.6	.2															12	12
22/ 21	.5	.6	.1															15	15
20/ 19	.4	.5																11	11
18/ 17	.2	.2																5	5
16/ 15	.2	.1																3	3
14/ 13	.2																	2	2
12/ 11	.1																	1	1
10/ 9	.1																	1	1
8/ 7																			
6/ 5																			
TOTAL	16.1	44.8	23.9	8.4	3.1	1.3	.4	.1										1240	1240

Element (X)	Σx ²	Σx	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8424103	100379	81.0	15.517	1240	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb	2030013	49259	39.7	7.686	1240		135.0					744.0
Wet Bulb	1804575	46397	37.4	7.437	1240		174.6					744.0
Dew Point	1526820	41974	33.9	9.249	1240		290.4					744.0

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

≥93 F

≥80 F

≥73 F

≥67 F

≥32 F

≤0 F

Total

1240

15.517

81.0

100379

8424103

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

744.0

744.0

744.0

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

24255 WHIDBEY ISLAND, WASHINGTON 73-77 FEB MONTH
 STATION NAME YEARS
 PAGE 1 (S.T.)
 HOURS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	
58/ 57						.1												1	1		
56/ 55				.1	.4	.2	.3											4	4		
54/ 53		.3	.2	.4	.2	.1	.1											11	11		
52/ 51		1.2	1.3	1.2	.4	.2	.1											37	37		
50/ 49		1.2	2.0	1.4	.4	.2	.2											58	58	10	
48/ 47		3.1	2.7	2.0	1.0	.2	.2											101	101	41	
46/ 45	.3	5.2	4.3	1.6	.4	.4	.1											133	133	103	12
44/ 43	1.6	9.8	5.0	.9	.3	.1	.1											199	199	137	33
42/ 41	2.2	8.7	2.7	.8	.4	.4	.1											168	168	225	80
40/ 39	2.9	5.4	2.5	.8	.3	.1	.1											135	135	207	110
38/ 37	3.0	4.0	1.2	.4	.2	.2	.1											100	100	124	201
36/ 35	2.7	2.8	1.3	.2	.2	.1	.1											79	79	114	144
34/ 33	1.0	2.0	.5	.1	.1	.1	.1											40	40	63	108
32/ 31	.7	1.4	.3	.1	.1	.1	.1											28	28	49	65
30/ 29	.4	.9	.2															17	17	26	58
28/ 27	.6	.3																10	10	18	37
26/ 25	.2	.4																6	6	10	29
24/ 23	.1	.1																1	1	1	20
22/ 21																					18
20/ 19																					6
18/ 17																					4
16/ 15																					1
14/ 13																					1
12/ 11																					3
10/ 9																					1
8/ 7																					1
TOTAL	15.645	424.3	9.8	3.5	1.2	.3												1128	1128	1128	1128

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

24255

WHIDBEY ISLAND, WASHINGTON

73-77

MAR

YEARS

PAGE 1
NOV (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59					.1	.1												1	1		
58/ 57						.1												1	1		
56/ 55			.2	.5	.1													9	9		
54/ 53		.3	.5	.4	.2	.4	.2	.1										26	26	1	4
52/ 51		.7	1.5	1.2	1.4	.6	.1											69	69	8	
50/ 49	.2	1.3	2.4	3.1	1.0	.5												103	103	27	9
48/ 47	.1	3.4	5.3	2.5	1.0	.6	.1											161	161	55	15
46/ 45	.3	7.0	9.0	2.3	.9	.2												244	244	123	57
44/ 43	1.5	7.2	5.6	1.5	.3													200	200	256	80
42/ 41	2.1	6.5	3.1	1.5	.5	.1												170	170	271	142
40/ 39	1.1	3.5	1.6	.7	.1													87	87	206	238
38/ 37	.7	2.1	1.0	.2														50	50	99	192
36/ 35	.7	1.7	.2	.2														35	35	70	144
34/ 33	.2	1.4	.4	.1														26	26	41	99
32/ 31	.9	1.0	.4															29	29	36	81
30/ 29	.6		.4															12	12	23	59
28/ 27	.2	.2																5	5	9	45
26/ 25	.2	.2																6	6	8	22
24/ 23	.2	.1																3	3	6	18
22/ 21	.1																	1	1	1	16
20/ 19																					14
18/ 17																					2
16/ 15																					2
14/ 13																					1
TOTAL	9.136	631.6	14.2	5.5	2.6	.3	.1											1240	1240	1240	1240
																</					

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0\text{ }^{\circ}\text{F}$	$\leq 32\text{ }^{\circ}\text{F}$	$\geq 67\text{ }^{\circ}\text{F}$	$\geq 80\text{ }^{\circ}\text{F}$	$\geq 93\text{ }^{\circ}\text{F}$		
Rel. Hum.	7739596	96324	77.7	14.404	1240							
Dry Bulb	2418680	54358	43.8	5.376	1240		33.6					744.0
Wet Bulb	2085933	50527	40.7	4.673	1240		49.8					744.0
Dew Point	1721433	45617	36.8	5.910	1240		156.0					744.0

NAWWEASERVCOM

PSYCHROMETRIC SUMMARY

5-55 PSYCHROMETRIC SUMMARY JAN 68

24255

WHIDBEY ISLAND, WASHINGTON

73-77

APR

YEARS

SOUTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
78/ 77												.1						1	1			
74/ 73											.1							1	1			
72/ 71											.2							2	2			
70/ 69											.1							2	2			
66/ 65											.1							2	2			
64/ 63											.1							2	2			
62/ 61											.2							2	2			
60/ 59											.1							2	2			
58/ 57											.2							2	2			
56/ 55											.2							2	2			
54/ 53											.2							2	2			
52/ 51											.1							2	2			
50/ 49											.2							2	2			
48/ 47											.2							2	2			
46/ 45											.2							2	2			
44/ 43											.1							2	2			
42/ 41											.2							2	2			
40/ 39											.1							2	2			
38/ 37											.2							2	2			
36/ 35											.1							2	2			
34/ 33											.2							2	2			
32/ 31											.1							2	2			
30/ 29											.2							2	2			
28/ 27											.1							2	2			
26/ 25											.2							2	2			
TOTAL	11.435	726.6	14.8	7.2	2.2	.7	.5	.3	.3	.1	.3	.1						1200	1200	1200	1200	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
Ref. Hum.	7726060	94530	78.8	15.266	1200	≤32 F	≥37 F	≥80 F	≥93 F	Total	
Dry Bulb	2739640	56964	47.5	5.298	1200	1.2	3.4	1.2	720.0	720.0	
Wet Bulb	2360239	53029	44.2	3.748	1200	1.8	37.2		720.0	720.0	
Dew Point	2001866	48706	40.6	4.563	1200					720.0	

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PSYCHROMETRIC SUMMARY

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WHIDBEY ISLAND, WASHINGTON

73-77

MAY

YEARS

STATION NAME

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		TOTAL
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
72/ 71								.3	.1									5	5				
70/ 69									.1									1	1				
68/ 67								.2	.2									4	4				
66/ 65								.1	.2									6	6				
64/ 63								.1	.1									6	6				
62/ 61								.2	.2									16	16				
60/ 59								.4	.1									38	38				
58/ 57								.5	.1									72	72				
56/ 55								.6	.4									104	104				
54/ 53								.1	.3									124	124				
52/ 51								.2	.2									195	195				
50/ 49								.3	.3									221	221				
48/ 47								.1	.1									230	230				
46/ 45								.4	.1									121	121				
44/ 43								.7	.3									63	63				
42/ 41								.3	.2									21	21				
40/ 39								.2	.2									11	11				
38/ 37								.1	.1									1	1				
36/ 35								.1	.1									1	1				
34/ 33																							
32/ 31																							
30/ 29																							
TOTAL	6.533	531.1	116.1	8.4	2.7	.7	.8	.2										1240	1240	1240	1240		

Element (X)	ΣX ²	ΣX	X	σ _x	No. Obs.	Mean No. of Hours with Temperature					Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 93 F	
Rel. Hum.	7856408	97220	78.4	13.744	1240						
Dry Bulb	3214249	62841	50.7	4.910	1240			6.0			744.0
Wet Bulb	2769777	58451	47.1	3.423	1240						744.0
Dew Point	2388052	54196	43.7	3.950	1240		7.2				744.0

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PSYCHROMETRIC SUMMARY

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STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUN
MONTH

PAGE 1
HOURS (L.S.T.)

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
72/ 71						.1	.2											1	1				
70/ 69					.1	.2	.5											6	6				
68/ 67					.2	.7	.5											18	18				
66/ 65					.2	.7	.3	.1										16	16				
64/ 63			.1	.4	1.5	1.0	.2											39	39				
62/ 61		.2	.3	.8	1.7	.7												45	45	3			
60/ 59		.2	.8	3.0	1.6	.6												75	75	10	1		
58/ 57		.6	2.9	5.6	2.2	.2												138	138	33	3		
56/ 55		1.8	7.5	4.4	.9	.1												177	177	75	8		
54/ 53	.2	6.0	7.2	2.2	.1													187	187	164	30		
52/ 51	.6	11.7	6.7	.4														232	232	276	131		
50/ 49	.6	10.3	4.0	.2														181	181	335	225		
48/ 47	.9	3.7	.3															59	59	216	348		
46/ 45		1.2																15	15	69	251		
44/ 43	.2	.5																9	9	14	136		
42/ 41	.1	.1																2	2	4	53		
40/ 39																							
38/ 37																							
TOTAL	2.636	329.8	17.0	8.7	4.2	1.3	.1											1200	1200	1200	1200		

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥ 31 F

≥ 80 F

≥ 73 F

≥ 67 F

≥ 32 F

≤ 0 F

1200

1200

1200

1200

1200

1200

1200

1200

1200

1200

Total

720.0

720.0

720.0

NAVWEASERVCOM

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STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

YEARS

JUL
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
																		D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
76/ 75												.2	.1					3			
74/ 73											.2	.3						7			
72/ 71							.2	1.0										15	15		
70/ 69							.9	.6										19	19		
68/ 67				.2	.5	1.0												20	20		
66/ 65			.6	.6	1.5	1.3	.1											43	43		
64/ 63		.2	.7	.8	3.8	.6												66	66	2	
62/ 61	.3	.7	4.2	3.8														112	112	14	
60/ 59	.7	2.3	5.8	1.3	.1													127	127	49	
58/ 57	1.7	8.1	4.4	.2	.1													179	179	93	
56/ 55	.3	6.1	8.3	2.2														210	210	199	
54/ 53	.7	10.2	4.8	.4														201	201	321	
52/ 51	1.6	9.5	2.8															173	173	314	
50/ 49	.4	3.4	.2															49	49	188	
48/ 47	.2	.8																12	12	49	
46/ 45	.1	.2																3	3	9	
44/ 43		.1																1	1	2	
42/ 41																					
40/ 39																					
TOTAL	3.333	127.4	18.5	11.1	4.0	2.0	.5	.1										1240	1240	1240	

PSYCHROMETRIC SUMMARY

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WHIDBEY ISLAND, WASHINGTON

24253

14278 2097-54321

AUG

YEARS

STATION NAME

PAGE 1
100 hrs (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79										.2								3	3		
78/ 77									.4									5	5		
76/ 75								.1	.2									3	3		
74/ 73							.2	.5										8	8		
72/ 71						.2	.6	.1										12	12		
70/ 69						.2	.2											5	5		
68/ 67				.1	.6	1.3	.2											27	27		
66/ 65				.5	1.5	.8	.1											35	35		
64/ 63			.1	2.2	2.2	.5												61	61	7	
62/ 61		.2	1.0	3.4	2.7	.2												93	93	12	
60/ 59	.1	.2	4.5	5.6	.3													133	133	36	1
58/ 57	.2	3.2	6.9	3.1	.2													168	168	102	9
56/ 55	1.2	7.7	8.3	.9														225	225	242	51
54/ 53	2.3	13.8	4.8															258	258	348	197
52/ 51	3.5	8.0	1.0															156	156	345	398
50/ 49	.9	1.9	.2															36	36	115	359
48/ 47	.2	.4																7	7	25	178
46/ 45		.4																5	5	8	36
44/ 43																					11
TOTAL	8.335	926.815	6	7.4	3.2	1.3	.6	.6	.2									1240	1240	1240	1240

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PSYCHROMETRIC SUMMARY

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STATION

WHIDBEY ISLAND, WASHINGTON

STATION NAME

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YEARS

SEP

MONTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86/ 85												.1						1	1			
76/ 75									.1			.1						2	2			
74/ 73								.1	.1									2	2			
72/ 71								.1	.1									7	7			
70/ 69					.1	.3	.7	.3	.3									17	17			
68/ 67					.3	.6	.4	.2	.2									18	18			
66/ 65				.1	1.1	1.2	.2											31	31			
64/ 63			.2	1.2	2.4	.9												56	56	1		
62/ 61			.9	3.0	3.2	.7												95	95	3		
60/ 59	.1	.5	2.4	4.2	1.7													107	107	13	1	
58/ 57	.1	2.4	4.3	3.6	.7													133	133	94	2	
56/ 55	.4	4.2	7.2	2.7	.1													174	174	177	43	
54/ 53	1.0	8.0	5.2	1.2														186	186	243	103	
52/ 51	1.7	6.2	4.2	.1														145	145	256	209	
50/ 49	1.8	4.8	1.8															102	102	202	295	
48/ 47	1.2	4.2	.7															73	73	112	247	
46/ 45	.5	2.6	.1															38	38	64	172	
44/ 43	.2	.7																11	11	28	92	
42/ 41	.1	.1																2	2	6	25	
40/ 39																				1	9	
38/ 37																					1	
36/ 35																					1	
TOTAL	7.033	727.0	16.0	9.7	3.8	1.4	.6	.6	.6			.2						1200	1200	1200	1200	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total								
						≤ 0 F	≥ 0 F	≤ 32 F	≥ 32 F	≤ 67 F	≥ 67 F	≤ 80 F		≥ 80 F							
Rel. Hum.	7772290	95178	79.3	13.645	1200																720.0
Dry Bulb	3744311	66679	55.6	5.720	1200																720.0
Wet Bulb	3237125	62175	51.8	3.616	1200																720.0
Dew Point	2865154	58502	48.8	3.303	1200																720.0

Mean No. of Hours with Temperature

No. Obs.

 ΣX \bar{X} ΣX^2 σ_x ΣX^2 ΣX^2 ΣX^2 ΣX^2 ΣX^2 ΣX^2 ΣX^2 ΣX^2

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

24255
STATION

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

YEARS

053
MONTH

PAGE 1
HOURS (L.S.Y.)

HOURS (L.S.T.)

[illegible]

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YEARS

NOV
MONTH

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	DB./WB.	Wet Bulb	Dew Point		
																			DB./WB.	Wet Bulb	Dew Point	
64/ 63					.1	.2												3	3			
62/ 61				.1	.1													2	2			
60/ 59				.5	.2													9	9			
58/ 57				.6														7	7			
56/ 55		.2	.8	.6	.1	.2												23	23	3		
54/ 53	.1	.8	2.7	.7	.2	.3												59	59	22		
52/ 51		1.2	3.1	.2	.5	.3												63	63	30		
50/ 49	.4	4.1	3.9	1.1	.3	.2	.1											121	121	80		
48/ 47	1.3	5.0	3.7	3.1	.7	.2												166	166	110		
46/ 45	1.4	5.3	4.2	2.1	.2	.2												161	161	129		
44/ 43	1.7	5.9	3.1	2.0	.2	.1												156	156	182		
42/ 41	1.2	2.5	3.2	1.2	.3													103	103	152		
40/ 39	3.2	2.1	1.9	.5	.2													95	95	149		
38/ 37	1.6	2.0	1.0		.3	.1												60	60	92		
36/ 35	.7	2.5	.6	.3	.4													54	54	73		
34/ 33	.8	1.1	.6	.3	.1													35	35	58		
32/ 31	.5	.5	.4	.3														21	21	24		
30/ 29	.1	1.0	.4	.1														19	19	31		
28/ 27	.2	.4	.4	.1														14	14	17		
26/ 25	.3	.5	.2															13	13	18		
24/ 23	.1	.5	.4															12	12	11		
22/ 21																				15		
20/ 19		.2																3	3	15		
18/ 17		.1																1	1	3		
16/ 15																				12		
14/ 13																				11		
12/ 11																				15		
10/ 9																				13		
8/ 7																				12		
TOTAL	13.736	0.030	7.13.8	4.1	1.5	.1												1200	1200	1200		

Element (X)	ΣX ²	ΣX	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	7850320	95486	79.6	14.507	1200	≥73 F	≥80 F	≥93 F	Total			
Dry Bulb	2368160	52638	43.9	7.023	1200	49.8			720.0			
Wet Bulb	2079845	49311	41.1	6.681	1200	72.0			720.0			
Dew Point	1769136	44976	37.5	8.341	1200	169.8			720.0			

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PSYCHROMETRIC SUMMARY

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24255 WHIDBEY ISLAND, WASHINGTON 73-77 DEC NORTH

STATION NAME YEARS

STATION NAME YEARS

STATION NAME YEARS

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
56/ 55				.4		.1												6	6		
54/ 53		.6	1.1	.5		.1												29	29		
52/ 51		3.0	1.6	.6														65	65	21	
50/ 49	.2	3.7	3.8	1.4	.3	.2												119	119	60	
48/ 47	.9	6.0	3.6	1.2	.6													152	152	103	
46/ 45	.8	6.2	4.4	1.3		.1												160	160	143	
44/ 43	1.8	6.6	4.7	1.0	.3													179	179	168	
42/ 41	1.3	4.6	4.0	.8	.2	.1												135	135	179	
40/ 39	1.9	3.6	2.3	.6	.1													106	106	154	
38/ 37	1.8	4.5	1.5	.2														100	100	127	
36/ 35	1.1	2.3	1.0															56	56	93	
34/ 33	.7	2.7	.4	.2														50	51	71	
32/ 31	.5	2.0																31	31	49	
30/ 29	.3	1.5	.1															24	24	34	
28/ 27	.2	1.2	.1															19	19	20	
26/ 25	.2	.4																7	7	15	
24/ 23		.1																1	1	2	
22/ 21																					
20/ 19																					
18/ 17																					
16/ 15																					
TOTAL	11.8	49.3	28.7	8.2	1.5	.5												1239	1240	1239	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	8661858	102596	82.8	11.591	1239	≥32 F	≥30 F	≥27 F	≥23 F	≥19 F	≥15 F	744.0
Dry Bulb	2319229	53097	42.8	6.067	1240	49.2						744.0
Wet Bulb	2076559	50231	40.5	5.692	1239	72.1						744.0
Dew Point	1810523	46661	37.7	6.559	1239	159.1						744.0

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PSYCHROMETRIC SUMMARY

05 PSYCHROMETRIC SUMMARY JAN 68

24255 WHIDBEY ISLAND, WASHINGTON 73-77

STATION NAME

ALL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
86/ 85																		1	1						
80/ 79												.0						3	3						
78/ 77												.0						6	6						
76/ 75												.0						8	8						
74/ 73											.0							18	18						
72/ 71											.0							42	42						
70/ 69											.0							53	53						
68/ 67											.0							87	87						
66/ 65											.0							133	133						
64/ 63											.0							239	239	10					
62/ 61											.0							384	384	32					
60/ 59											.0							513	513	109	6				
58/ 57											.0							771	771	336	28				
56/ 55											.0							1089	1089	731	143				
54/ 53											.0							1329	1329	1221	475				
52/ 51											.0							1480	1480	1356	1166				
50/ 49											.0							1436	1436	1601	1647				
48/ 47											.0							1459	1459	1487	1689				
46/ 45											.0							1317	1317	1499	1521				
44/ 43											.0							1158	1158	1427	1310				
42/ 41											.0							905	905	1301	1186				
40/ 39											.0							660	660	1056	1296				
38/ 37											.0							454	454	674	1085				
36/ 35											.0							315	315	483	831				
34/ 33											.0							235	236	363	604				
32/ 31											.0							178	178	229	448				
30/ 29											.0							114	114	178	344				
28/ 27											.0							82	82	110	237				
26/ 25											.0							64	64	90	130				
24/ 23											.0							29	29	43	126				
22/ 21											.0							16	16	34	102				
20/ 19											.0							14	14	15	75				
18/ 17											.0							6	6	11	42				
16/ 15											.0							3	3	4	26				
Element (X)	ΣX																	ΣX ²		Mean No. of Hours with Temperature				Total	
Rel. Hum.																				≥ 80 F				≥ 93 F	
Dry Bulb																				≥ 73 F					
Wet Bulb																				≥ 67 F					
Dew Point																				≤ 0 F					

NAWEASERVCOM

24255
STATION

WHIDBEY ISLAND, WASHINGTON
STATION NAME

73-77

STATION NAME**YEARS**

ALL MONTH

PAGE 2
HOURS (L.S.T.)

[illegible]

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

YEARS

WHIDBEY ISLAND, WASHINGTON

STATION NAME

24255

STATION

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 8.356 TOTAL OBS 155	39.9 5.348 141	41.5 5.261 155	44.3 3.885 150	47.3 3.276 155	50.7 2.390 150	53.1 2.471 155	53.6 2.458 155	51.6 3.653 150	46.6 5.449 155	42.3 7.537 150	41.8 6.384 155	45.9 7.197 1826
04	MEAN 8.289 TOTAL OBS 155	39.5 5.414 141	40.7 5.246 155	43.0 3.950 150	46.3 3.420 155	49.5 2.816 150	52.1 2.712 155	52.8 2.648 155	50.4 3.863 150	46.1 5.462 155	41.7 7.459 150	41.6 6.295 155	45.1 7.095 1826
07	MEAN 8.349 TOTAL OBS 155	39.0 5.625 141	40.5 5.437 155	44.4 3.820 150	48.9 3.345 155	52.4 2.701 150	55.2 3.134 155	54.5 2.972 155	52.0 3.528 150	46.3 5.273 155	41.9 7.456 150	41.3 6.531 155	46.2 7.927 1826
10	MEAN 6.641 TOTAL OBS 155	42.9 4.576 141	44.9 3.817 155	48.9 4.148 150	52.2 3.957 155	55.4 3.189 150	58.5 3.833 155	58.1 3.977 155	58.1 4.175 150	51.4 3.224 155	45.0 5.984 150	43.2 5.340 155	49.9 7.784 1826
13	MEAN 5.800 TOTAL OBS 155	45.6 4.199 141	48.0 3.791 155	51.9 4.731 150	54.9 4.297 155	58.7 3.990 150	61.9 4.309 155	61.4 5.006 155	61.5 4.686 150	54.2 3.920 155	47.5 5.470 150	45.6 4.737 155	52.9 8.051 1826
16	MEAN 5.874 TOTAL OBS 155	45.4 4.011 141	48.2 3.939 155	52.4 4.919 150	55.2 4.674 155	59.5 4.640 150	62.5 4.810 155	62.5 5.325 155	61.6 4.790 150	52.9 3.672 155	46.2 5.355 150	44.7 4.671 155	52.8 8.567 1826
19	MEAN 7.549 TOTAL OBS 155	42.2 4.348 141	44.4 3.714 155	48.8 3.858 150	51.7 4.060 155	55.8 3.542 150	58.4 3.861 155	58.1 4.225 155	56.2 3.316 150	49.7 4.039 155	43.7 7.007 150	42.3 6.261 155	49.3 8.093 1826
22	MEAN 8.173 TOTAL OBS 155	40.5 4.933 141	42.4 4.800 155	46.1 3.478 150	49.0 3.019 155	52.1 2.343 150	54.6 2.785 155	54.8 2.688 155	53.2 2.962 150	47.6 4.985 155	42.5 7.223 150	42.0 6.597 155	47.0 7.352 1826
ALL HOURS	MEAN 7.686 TOTAL OBS 1240	41.9 5.404 1128	43.8 5.374 1240	47.5 5.298 1200	50.7 4.911 1240	54.3 4.749 1200	57.0 5.115 1240	57.0 5.108 1240	55.6 5.721 1200	49.3 5.456 1240	43.9 7.025 1200	42.8 6.067 1240	48.7 8.289 14608

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

WHIDBEY ISLAND, WASHINGTON

24255

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 36.4 S.D. 7.964 TOTAL OBS 155	MEAN 38.3 S.D. 5.021 TOTAL OBS 141	MEAN 39.6 S.D. 5.049 TOTAL OBS 155	MEAN 42.5 S.D. 3.716 TOTAL OBS 150	MEAN 45.4 S.D. 3.152 TOTAL OBS 155	MEAN 48.6 S.D. 2.160 TOTAL OBS 150	MEAN 50.9 S.D. 2.168 TOTAL OBS 155	MEAN 51.5 S.D. 1.806 TOTAL OBS 155	MEAN 49.4 S.D. 3.312 TOTAL OBS 150	MEAN 44.7 S.D. 4.932 TOTAL OBS 155	MEAN 40.1 S.D. 7.157 TOTAL OBS 150	MEAN 39.9 S.D. 5.977 TOTAL OBS 155	MEAN 44.0 S.D. 6.901 TOTAL OBS 1826
04	MEAN 36.1 S.D. 7.891 TOTAL OBS 155	MEAN 37.6 S.D. 5.100 TOTAL OBS 141	MEAN 39.0 S.D. 5.028 TOTAL OBS 155	MEAN 41.7 S.D. 3.869 TOTAL OBS 150	MEAN 44.6 S.D. 3.311 TOTAL OBS 155	MEAN 48.0 S.D. 2.624 TOTAL OBS 150	MEAN 50.5 S.D. 2.421 TOTAL OBS 155	MEAN 51.1 S.D. 2.233 TOTAL OBS 155	MEAN 48.7 S.D. 3.519 TOTAL OBS 150	MEAN 44.5 S.D. 4.923 TOTAL OBS 155	MEAN 39.6 S.D. 7.136 TOTAL OBS 150	MEAN 39.6 S.D. 5.954 TOTAL OBS 155	MEAN 43.5 S.D. 6.926 TOTAL OBS 1826
07	MEAN 36.0 S.D. 8.129 TOTAL OBS 155	MEAN 37.5 S.D. 5.205 TOTAL OBS 141	MEAN 38.9 S.D. 5.068 TOTAL OBS 155	MEAN 43.1 S.D. 3.542 TOTAL OBS 150	MEAN 46.9 S.D. 2.951 TOTAL OBS 155	MEAN 50.2 S.D. 2.234 TOTAL OBS 150	MEAN 53.3 S.D. 2.411 TOTAL OBS 155	MEAN 53.0 S.D. 2.253 TOTAL OBS 155	MEAN 50.6 S.D. 2.966 TOTAL OBS 150	MEAN 44.9 S.D. 4.616 TOTAL OBS 155	MEAN 39.8 S.D. 7.137 TOTAL OBS 150	MEAN 39.4 S.D. 6.137 TOTAL OBS 155	MEAN 44.5 S.D. 7.653 TOTAL OBS 1826
10	MEAN 38.1 S.D. 6.673 TOTAL OBS 155	MEAN 40.5 S.D. 4.138 TOTAL OBS 141	MEAN 41.6 S.D. 3.904 TOTAL OBS 155	MEAN 45.2 S.D. 3.177 TOTAL OBS 150	MEAN 48.0 S.D. 2.997 TOTAL OBS 155	MEAN 51.4 S.D. 2.543 TOTAL OBS 150	MEAN 54.2 S.D. 2.341 TOTAL OBS 155	MEAN 54.5 S.D. 2.234 TOTAL OBS 155	MEAN 53.9 S.D. 2.318 TOTAL OBS 150	MEAN 48.8 S.D. 3.100 TOTAL OBS 155	MEAN 42.2 S.D. 6.079 TOTAL OBS 150	MEAN 41.1 S.D. 5.070 TOTAL OBS 154	MEAN 46.7 S.D. 6.942 TOTAL OBS 1825
13	MEAN 39.7 S.D. 6.131 TOTAL OBS 155	MEAN 41.7 S.D. 3.643 TOTAL OBS 141	MEAN 42.9 S.D. 3.714 TOTAL OBS 155	MEAN 46.4 S.D. 3.223 TOTAL OBS 150	MEAN 49.1 S.D. 3.148 TOTAL OBS 155	MEAN 52.6 S.D. 2.867 TOTAL OBS 150	MEAN 55.4 S.D. 2.544 TOTAL OBS 155	MEAN 55.7 S.D. 2.420 TOTAL OBS 155	MEAN 55.0 S.D. 2.439 TOTAL OBS 150	MEAN 49.6 S.D. 3.271 TOTAL OBS 155	MEAN 43.3 S.D. 5.647 TOTAL OBS 150	MEAN 42.3 S.D. 4.653 TOTAL OBS 155	MEAN 47.9 S.D. 6.785 TOTAL OBS 1826
16	MEAN 39.1 S.D. 6.307 TOTAL OBS 155	MEAN 41.5 S.D. 3.704 TOTAL OBS 141	MEAN 42.9 S.D. 3.754 TOTAL OBS 155	MEAN 46.4 S.D. 3.185 TOTAL OBS 150	MEAN 49.3 S.D. 3.068 TOTAL OBS 155	MEAN 52.9 S.D. 2.977 TOTAL OBS 150	MEAN 55.5 S.D. 2.710 TOTAL OBS 155	MEAN 56.0 S.D. 2.606 TOTAL OBS 155	MEAN 54.8 S.D. 2.439 TOTAL OBS 150	MEAN 48.6 S.D. 3.054 TOTAL OBS 155	MEAN 42.5 S.D. 5.589 TOTAL OBS 150	MEAN 41.8 S.D. 4.735 TOTAL OBS 155	MEAN 47.6 S.D. 7.011 TOTAL OBS 1826
19	MEAN 37.2 S.D. 7.420 TOTAL OBS 155	MEAN 39.6 S.D. 4.305 TOTAL OBS 141	MEAN 41.1 S.D. 3.974 TOTAL OBS 155	MEAN 44.8 S.D. 2.998 TOTAL OBS 150	MEAN 47.5 S.D. 2.964 TOTAL OBS 155	MEAN 51.1 S.D. 2.642 TOTAL OBS 150	MEAN 53.4 S.D. 2.446 TOTAL OBS 155	MEAN 53.6 S.D. 2.324 TOTAL OBS 155	MEAN 51.8 S.D. 2.255 TOTAL OBS 150	MEAN 46.6 S.D. 3.686 TOTAL OBS 155	MEAN 41.0 S.D. 6.773 TOTAL OBS 180	MEAN 40.1 S.D. 5.907 TOTAL OBS 155	MEAN 45.7 S.D. 7.082 TOTAL OBS 1826
22	MEAN 36.6 S.D. 7.895 TOTAL OBS 155	MEAN 38.7 S.D. 4.701 TOTAL OBS 141	MEAN 40.0 S.D. 4.651 TOTAL OBS 155	MEAN 43.5 S.D. 3.130 TOTAL OBS 150	MEAN 46.3 S.D. 2.808 TOTAL OBS 155	MEAN 49.2 S.D. 2.107 TOTAL OBS 150	MEAN 51.5 S.D. 2.214 TOTAL OBS 155	MEAN 52.0 S.D. 1.743 TOTAL OBS 155	MEAN 50.3 S.D. 2.711 TOTAL OBS 150	MEAN 45.4 S.D. 4.500 TOTAL OBS 155	MEAN 40.2 S.D. 6.816 TOTAL OBS 150	MEAN 40.0 S.D. 6.209 TOTAL OBS 155	MEAN 44.5 S.D. 6.887 TOTAL OBS 1826
ALL HOURS	MEAN 37.4 S.D. 7.438 TOTAL OBS 1240	MEAN 39.4 S.D. 4.752 TOTAL OBS 1128	MEAN 40.7 S.D. 4.675 TOTAL OBS 1240	MEAN 44.2 S.D. 3.748 TOTAL OBS 1200	MEAN 47.1 S.D. 3.423 TOTAL OBS 1260	MEAN 50.5 S.D. 3.049 TOTAL OBS 1200	MEAN 53.1 S.D. 3.016 TOTAL OBS 1240	MEAN 53.4 S.D. 2.817 TOTAL OBS 1260	MEAN 51.8 S.D. 3.617 TOTAL OBS 1200	MEAN 46.6 S.D. 4.514 TOTAL OBS 1240	MEAN 41.1 S.D. 6.682 TOTAL OBS 1200	MEAN 40.5 S.D. 5.692 TOTAL OBS 1239	MEAN 45.5 S.D. 7.202 TOTAL OBS 14607

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

WHIDBEY ISLAND, WASHINGTON

24255

YEARS

STATION NAME

STATION

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 33.4 S. D. 9.279 TOTAL OBS 155	MEAN 35.9 S. D. 5.882 TOTAL OBS 141	MEAN 37.0 S. D. 5.854 TOTAL OBS 155	MEAN 40.3 S. D. 4.409 TOTAL OBS 150	MEAN 43.4 S. D. 3.863 TOTAL OBS 155	MEAN 47.0 S. D. 2.954 TOTAL OBS 150	MEAN 49.2 S. D. 2.258 TOTAL OBS 155	MEAN 49.9 S. D. 1.976 TOTAL OBS 155	MEAN 47.5 S. D. 3.591 TOTAL OBS 150	MEAN 42.8 S. D. 5.112 TOTAL OBS 155	MEAN 37.2 S. D. 8.287 TOTAL OBS 150	MEAN 37.5 S. D. 6.550 TOTAL OBS 155	MEAN 41.8 S. D. 7.681 TOTAL OBS 1826
04	MEAN 33.4 S. D. 9.134 TOTAL OBS 155	MEAN 35.4 S. D. 6.206 TOTAL OBS 141	MEAN 36.5 S. D. 5.595 TOTAL OBS 155	MEAN 40.0 S. D. 4.441 TOTAL OBS 150	MEAN 43.0 S. D. 4.112 TOTAL OBS 155	MEAN 46.7 S. D. 2.808 TOTAL OBS 150	MEAN 49.3 S. D. 2.396 TOTAL OBS 155	MEAN 49.9 S. D. 2.371 TOTAL OBS 155	MEAN 47.3 S. D. 3.741 TOTAL OBS 150	MEAN 42.8 S. D. 5.073 TOTAL OBS 155	MEAN 36.8 S. D. 8.391 TOTAL OBS 150	MEAN 37.2 S. D. 6.638 TOTAL OBS 155	MEAN 41.6 S. D. 7.783 TOTAL OBS 1826
07	MEAN 33.5 S. D. 9.258 TOTAL OBS 155	MEAN 35.5 S. D. 5.909 TOTAL OBS 141	MEAN 36.6 S. D. 5.560 TOTAL OBS 155	MEAN 41.7 S. D. 4.173 TOTAL OBS 150	MEAN 45.2 S. D. 3.673 TOTAL OBS 155	MEAN 48.6 S. D. 2.510 TOTAL OBS 150	MEAN 51.9 S. D. 2.385 TOTAL OBS 155	MEAN 51.9 S. D. 2.139 TOTAL OBS 155	MEAN 49.6 S. D. 2.745 TOTAL OBS 150	MEAN 43.5 S. D. 4.849 TOTAL OBS 155	MEAN 37.0 S. D. 8.479 TOTAL OBS 150	MEAN 36.7 S. D. 6.895 TOTAL OBS 155	MEAN 42.7 S. D. 8.418 TOTAL OBS 1826
10	MEAN 34.8 S. D. 8.913 TOTAL OBS 155	MEAN 37.3 S. D. 5.738 TOTAL OBS 141	MEAN 37.6 S. D. 5.923 TOTAL OBS 155	MEAN 41.2 S. D. 4.604 TOTAL OBS 150	MEAN 44.0 S. D. 3.793 TOTAL OBS 155	MEAN 47.9 S. D. 3.065 TOTAL OBS 150	MEAN 50.8 S. D. 2.308 TOTAL OBS 155	MEAN 51.8 S. D. 2.362 TOTAL OBS 155	MEAN 50.3 S. D. 3.153 TOTAL OBS 150	MEAN 46.4 S. D. 4.308 TOTAL OBS 155	MEAN 38.6 S. D. 8.355 TOTAL OBS 150	MEAN 38.4 S. D. 6.210 TOTAL OBS 155	MEAN 43.3 S. D. 7.667 TOTAL OBS 1826
13	MEAN 34.6 S. D. 9.357 TOTAL OBS 155	MEAN 36.8 S. D. 6.071 TOTAL OBS 141	MEAN 36.5 S. D. 6.310 TOTAL OBS 155	MEAN 40.6 S. D. 4.834 TOTAL OBS 150	MEAN 43.5 S. D. 4.373 TOTAL OBS 155	MEAN 47.4 S. D. 3.670 TOTAL OBS 150	MEAN 50.1 S. D. 2.688 TOTAL OBS 155	MEAN 51.3 S. D. 2.145 TOTAL OBS 155	MEAN 49.8 S. D. 2.698 TOTAL OBS 150	MEAN 45.3 S. D. 4.446 TOTAL OBS 155	MEAN 38.0 S. D. 8.649 TOTAL OBS 150	MEAN 38.6 S. D. 6.230 TOTAL OBS 155	MEAN 42.7 S. D. 7.976 TOTAL OBS 1826
16	MEAN 34.3 S. D. 9.359 TOTAL OBS 155	MEAN 36.3 S. D. 6.092 TOTAL OBS 141	MEAN 36.4 S. D. 6.383 TOTAL OBS 155	MEAN 40.1 S. D. 5.138 TOTAL OBS 150	MEAN 43.6 S. D. 4.001 TOTAL OBS 155	MEAN 47.3 S. D. 3.366 TOTAL OBS 150	MEAN 50.0 S. D. 2.569 TOTAL OBS 155	MEAN 51.1 S. D. 2.441 TOTAL OBS 155	MEAN 49.4 S. D. 2.897 TOTAL OBS 150	MEAN 44.5 S. D. 4.197 TOTAL OBS 155	MEAN 37.8 S. D. 8.246 TOTAL OBS 150	MEAN 38.1 S. D. 6.420 TOTAL OBS 155	MEAN 42.4 S. D. 7.961 TOTAL OBS 1826
19	MEAN 33.4 S. D. 9.379 TOTAL OBS 155	MEAN 36.2 S. D. 5.752 TOTAL OBS 141	MEAN 36.9 S. D. 5.859 TOTAL OBS 155	MEAN 40.3 S. D. 4.527 TOTAL OBS 150	MEAN 43.4 S. D. 3.852 TOTAL OBS 155	MEAN 47.0 S. D. 3.058 TOTAL OBS 150	MEAN 49.3 S. D. 2.478 TOTAL OBS 155	MEAN 50.0 S. D. 2.302 TOTAL OBS 155	MEAN 48.0 S. D. 2.856 TOTAL OBS 150	MEAN 43.6 S. D. 4.437 TOTAL OBS 155	MEAN 37.4 S. D. 8.346 TOTAL OBS 150	MEAN 37.3 S. D. 6.556 TOTAL OBS 155	MEAN 41.9 S. D. 7.706 TOTAL OBS 1826
22	MEAN 33.4 S. D. 9.382 TOTAL OBS 155	MEAN 36.0 S. D. 5.579 TOTAL OBS 141	MEAN 36.8 S. D. 5.798 TOTAL OBS 155	MEAN 40.6 S. D. 4.149 TOTAL OBS 150	MEAN 43.6 S. D. 3.599 TOTAL OBS 155	MEAN 46.8 S. D. 2.524 TOTAL OBS 150	MEAN 49.0 S. D. 2.375 TOTAL OBS 155	MEAN 49.7 S. D. 2.057 TOTAL OBS 155	MEAN 47.9 S. D. 3.075 TOTAL OBS 150	MEAN 43.2 S. D. 4.872 TOTAL OBS 155	MEAN 37.1 S. D. 8.013 TOTAL OBS 150	MEAN 37.5 S. D. 6.858 TOTAL OBS 155	MEAN 41.8 S. D. 7.618 TOTAL OBS 1826
ALL HOURS	MEAN 33.9 S. D. 9.250 TOTAL OBS 1240	MEAN 36.2 S. D. 5.920 TOTAL OBS 1128	MEAN 36.8 S. D. 5.910 TOTAL OBS 1240	MEAN 40.6 S. D. 4.564 TOTAL OBS 1200	MEAN 43.7 S. D. 3.951 TOTAL OBS 1240	MEAN 47.3 S. D. 3.001 TOTAL OBS 1200	MEAN 49.9 S. D. 2.600 TOTAL OBS 1240	MEAN 50.7 S. D. 2.386 TOTAL OBS 1240	MEAN 48.0 S. D. 3.303 TOTAL OBS 1200	MEAN 44.0 S. D. 4.811 TOTAL OBS 1240	MEAN 37.5 S. D. 8.342 TOTAL OBS 1200	MEAN 37.7 S. D. 6.559 TOTAL OBS 1239	MEAN 42.3 S. D. 7.898 TOTAL OBS 16607

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5706 RELATIVE HUMIDITY JAN 68

24253

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

JAN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	99.4	98.7	96.8	92.3	82.6	66.5	38.1	83.6	155
	04	100.0	100.0	100.0	98.1	96.8	94.8	87.7	72.9	43.2	85.2	155
	07	100.0	100.0	100.0	100.0	96.8	94.8	91.0	74.2	46.5	86.4	155
	10	100.0	100.0	100.0	98.7	94.2	90.3	80.0	60.0	34.8	82.1	155
	13	100.0	100.0	99.4	92.3	87.1	80.0	61.3	39.4	16.8	73.6	155
	16	100.0	100.0	100.0	96.8	89.0	80.6	63.9	40.0	17.4	74.6	155
	19	100.0	100.0	100.0	98.1	92.3	91.0	80.0	52.3	24.5	79.8	155
	22	100.0	100.0	99.4	98.1	96.1	91.6	80.6	63.2	35.5	82.3	155
TOTALS		100.0	100.0	99.8	97.6	93.6	89.4	78.4	58.6	32.1	81.0	1240

5706 RELATIVE HUMIDITY JAN 68

STATION
24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

APR
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	100.0	100.0	98.7	94.7	71.3	37.3	86.5	150
	04	100.0	100.0	100.0	100.0	100.0	100.0	96.0	85.3	50.0	89.5	150
	07	100.0	100.0	100.0	100.0	99.3	98.7	96.7	86.7	57.3	90.6	150
	10	100.0	100.0	99.3	98.0	96.7	90.7	69.3	33.3	13.3	76.0	150
	13	100.0	99.3	98.0	96.7	90.7	68.0	40.7	14.0	4.7	67.1	150
	16	100.0	100.0	96.7	94.0	85.3	66.0	32.7	12.7	2.7	64.8	150
	19	100.0	100.0	100.0	97.3	94.0	85.3	66.0	29.3	8.7	73.7	150
	22	100.0	100.0	100.0	100.0	98.0	96.7	87.3	55.3	22.7	82.0	150
TOTALS		100.0	99.9	99.3	98.3	95.5	88.0	72.9	48.5	24.6	78.8	1200

RELATIVE HUMIDITY

24255
STATION

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

MAY
MONTH

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	100.0	100.0	97.4	74.2	33.5	86.5	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	97.4	82.6	45.2	88.9	155
	07	100.0	100.0	100.0	100.0	100.0	98.7	94.8	76.1	40.6	87.5	155
	10	100.0	100.0	100.0	99.4	99.4	87.1	64.5	27.1	8.4	74.7	155
	13	100.0	100.0	100.0	98.1	89.7	67.7	39.4	11.0	2.6	66.5	155
	16	100.0	100.0	100.0	97.4	88.4	67.7	39.4	10.3	1.9	66.5	155
	19	100.0	100.0	100.0	100.0	94.8	88.4	68.4	25.2	7.1	74.5	155
	22	100.0	100.0	100.0	100.0	100.0	98.1	90.3	54.8	18.7	82.3	155
TOTALS		100.0	100.0	100.0	99.4	96.5	88.4	74.0	45.2	19.8	78.4	1260

RELATIVE HUMIDITY

24255
STATION

WHIDBEY ISLAND, WASH **STATION NAME**

WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

JUN
MONTH

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	01	100.0	100.0	100.0	100.0	100.0	100.0	98.7	88.7	21.3	87.3	150
	04	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.7	48.0	90.2	150
	07	100.0	100.0	100.0	100.0	100.0	100.0	96.7	79.3	32.0	87.1	150
	10	100.0	100.0	100.0	100.0	100.0	95.3	76.7	24.7	8.0	76.4	150
	13	100.0	100.0	100.0	100.0	94.0	70.7	36.0	9.3	1.3	67.1	150
	16	100.0	100.0	100.0	100.0	92.0	60.7	28.7	11.3	1.3	65.3	150
	19	100.0	100.0	100.0	100.0	99.3	90.0	63.3	12.0	3.3	73.0	150
	22	100.0	100.0	100.0	100.0	100.0	99.3	96.7	54.0	8.0	82.2	150
TOTALS		100.0	100.0	100.0	100.0	98.2	89.5	74.6	46.8	15.4	78.6	1200

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

24255 WHIDBEY ISLAND, WASHINGTON 73-77 AUG MONTH

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	99.4	95.5	80.0	35.5	87.6	155
	04	100.0	100.0	100.0	100.0	100.0	100.0	98.7	87.1	49.0	90.2	155
	07	100.0	100.0	100.0	100.0	100.0	100.0	98.7	89.7	58.1	91.5	155
	10	100.0	100.0	100.0	100.0	98.7	96.1	80.6	51.0	20.6	80.6	155
	13	100.0	100.0	100.0	96.8	94.2	81.3	51.6	21.3	3.2	70.8	155
	16	100.0	100.0	100.0	97.4	91.0	70.3	42.6	13.5	2.6	67.6	155
	19	100.0	100.0	100.0	100.0	95.5	92.3	69.7	25.8	6.5	75.4	155
	22	100.0	100.0	100.0	100.0	100.0	98.1	92.3	63.2	14.2	83.4	155
TOTALS		100.0	100.0	100.0	99.3	97.4	92.2	78.7	54.0	23.7	80.9	1240

RELATIVE HUMIDITY

STATION
24255

STATION NAME
WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

SEP
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	01	100.0	100.0	100.0	100.0	100.0	100.0	98.7	77.3	26.7	86.4	150
	04	100.0	100.0	100.0	100.0	100.0	100.0	98.7	89.3	42.0	89.3	150
	07	100.0	100.0	100.0	100.0	100.0	100.0	99.3	90.7	58.7	91.8	150
	10	100.0	100.0	99.3	98.7	96.7	93.3	70.7	38.0	16.7	77.2	150
	13	100.0	100.0	100.0	98.0	92.7	70.0	30.7	15.3	4.7	66.7	150
	16	100.0	100.0	99.3	96.7	90.7	68.7	32.3	11.3	1.3	65.6	150
	19	100.0	100.0	100.0	99.3	98.7	88.7	67.3	26.7	4.0	74.9	150
	22	100.0	100.0	100.0	100.0	100.0	99.3	95.3	55.3	15.3	82.7	150
TOTALS		100.0	100.0	99.3	98.1	97.4	90.0	74.3	50.5	21.2	79.3	1200

PRINTED BY THE STANDARD PUBLISHING COMPANY, O. S. A.

MONTH
DAY

NAVWEASERVCOM

RELATIVE HUMIDITY

STATION
24255

STATION NAME
WHIOBEY ISLAND, WASHINGTON

73-77

PERIOD

NOV
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	98.7	97.3	94.7	87.3	60.0	28.0	83.1	150
	04	100.0	100.0	100.0	99.3	98.7	92.7	85.3	61.3	35.3	83.7	150
	07	100.0	100.0	100.0	100.0	98.0	96.0	83.3	56.0	45.3	83.6	150
	10	100.0	100.0	100.0	99.3	94.0	85.3	72.7	53.3	29.3	79.6	150
	13	100.0	100.0	100.0	96.0	88.7	73.3	58.7	26.0	9.3	71.3	150
	16	100.0	100.0	100.0	97.3	94.0	82.0	62.0	31.3	14.7	73.7	150
	19	100.0	100.0	100.0	100.0	97.3	91.3	75.3	48.0	18.0	79.3	150
	22	100.0	100.0	100.0	100.0	98.7	94.7	83.3	60.0	28.0	82.2	150
TOTALS		100.0	100.0	100.0	98.8	95.8	88.8	76.0	49.7	26.0	79.6	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

24255 STATION

WHIDBEY ISLAND, WASHINGTON

73-77

PERIOD

ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	99.8	97.6	93.6	89.4	78.4	58.6	32.1	81.0	1240
FEB		100.0	100.0	99.8	98.9	96.4	91.0	80.5	60.0	29.3	81.5	1128
MAR		100.0	100.0	99.8	98.8	95.0	86.9	72.6	46.0	19.4	77.7	1240
APR		100.0	99.9	99.3	98.3	95.5	83.0	72.9	48.5	24.6	78.8	1200
MAY		100.0	100.0	100.0	99.4	96.5	88.4	74.0	45.2	19.8	78.4	1240
JUN		100.0	100.0	100.0	100.0	98.2	89.5	74.6	46.8	15.4	78.6	1200
JUL		100.0	100.0	100.0	100.0	98.4	89.9	71.8	45.7	15.2	78.3	1240
AUG		100.0	100.0	100.0	99.3	97.4	92.2	78.7	54.0	23.7	80.9	1240
SEP		100.0	100.0	99.8	99.1	97.4	90.0	74.3	50.5	21.2	79.3	1200
OCT		100.0	100.0	100.0	100.0	99.1	95.8	84.5	57.8	30.4	82.9	1240
NOV		100.0	100.0	100.0	98.8	95.8	88.8	76.0	49.7	26.0	79.6	1200
DEC		100.0	100.0	100.0	99.8	98.5	93.5	83.1	61.8	28.0	82.8	1239
TOTALS		100.0	100.0	99.9	99.2	96.8	90.5	77.0	52.1	23.8	80.0	14607

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

JANUARY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51	4.4		2.4	31.7	61.0		6.9	5.6	8.3	41	3.3
42 TO 46	5.5	.3	6.7	40.0	28.9	1.1	5.0	7.1	7.3	180	14.5
37 TO 41	4.0	2.2	9.9	31.9	21.2	2.4	16.4	4.4	15.6	382	30.8
32 TO 36	4.1	4.7	20.0	36.4	9.1	2.2	6.2	2.4	20.1	275	22.2
27 TO 31	7.2	6.3	32.0	31.4	3.6	1.2	.6		19.8	169	13.6
22 TO 26	7.5	1.9	46.8	17.1	1.8		.9		37.7	111	9.0
17 TO 21	4.5	4.5	35.8	15.1	1.9				27.3	53	4.3
12 TO 16			54.5	9.1					50.0	22	1.8
7 TO 11			33.3	16.7						6	.5
2 TO 6			100.0							1	.1
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.8	1.9	19.8	31.3	15.5	1.5	6.9	4.3	15.8	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

FEBRUARY

ALL

HOURS (L.S.T.)

YEARS

STATION NAME

24255

STATION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61	2.6	7.7	43.6	100.0	2.6	2.6	2.6	2.6		1	1
52 TO 56	3.2	9.3	33.1	41.0	2.3	6.4	7.6	5.6		39	3.5
47 TO 51	5.2	1.1	26.0	29.7	3.0	13.2	9.3	9.1		172	15.2
42 TO 46	6.8	3.7	23.0	23.5	2.0	5.7	5.7	16.9		439	38.9
37 TO 41	2.9	2.9	13.9	13.5	1.5		17	41.6		296	26.2
32 TO 36	8.1	2.7	24.3	5.4				45.9		137	12.1
27 TO 31				57.1				42.9		37	3.3
22 TO 26										7	.6
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.3	2.0	15.8	25.2	19.7	2.2	7.7	6.9	15.7	1128	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

MARCH

ALL

24255

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61	6.8		4.1	21.9	50.0	2.7	4.1	9.6	50.0	2	.2
52 TO 56	8.1	.3	3.7	19.3	50.7	2.4	13.2	20.3	3.7	73	3.9
47 TO 51	10.5	.5	6.0	19.6	26.6	1.3	13.4	14.3	12.3	297	24.0
42 TO 46	9.0	1.3	17.6	21.6	22.1	1.3	8.0	6.3	20.6	332	44.3
37 TO 41	9.9		35.8	18.3	13.6	1.3	1.2	1.2	29.6	199	16.0
32 TO 36	13.4		30.8	11.3	3.7				42.3	81	6.3
27 TO 31	20.0			30.0					50.0	26	2.1
22 TO 26										10	.8
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.6	.6	9.6	19.8	21.7	1.3	11.2	13.0	13.0	1240	100.0

2344

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

ALL

APRIL

HOURS (L.S.T.)

JAN 1973-DEC 1977

YEARS

WHIOBEY ISLAND, WASHINGTON

STATION NAME

24255

STATION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +										
117 TO 121										
112 TO 116										
107 TO 111										
102 TO 106										
97 TO 101										
92 TO 96										
87 TO 91										
82 TO 86										
77 TO 81										
72 TO 76										
67 TO 71										
62 TO 66										
57 TO 61										
52 TO 56										
47 TO 51										
42 TO 46										
37 TO 41										
32 TO 36										
27 TO 31										
22 TO 26										
17 TO 21										
12 TO 16										
7 TO 11										
2 TO 6										
-3 TO 1										
-8 TO -4										
-13 TO -9										
-18 TO -14										
-23 TO -19										
-28 TO -24										
-33 TO -29										
-38 TO -34										
-43 TO -39										
-48 TO -44										
-53 TO -49										
-58 TO -54										
-59 & LWR										
TOTALS	5.8	.3	6.9	12.7	15.2	3.3	22.3	17.8	15.8	1200 100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

ALL

MAY

HOURS (L.S.T.)

24255

STATION

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	25.0	25.0	25.0	25.0	25.0			25.0		4	.3
67 TO 71	16.7			16.7	16.7			33.3		6	.5
62 TO 66	6.3		6.3	18.8	18.8	6.3		25.0	18.8	16	1.3
57 TO 61	2.5	2.5	12.3	9.8	9.8	1.6		36.9	3.3	122	9.8
52 TO 56	4.4	1.2	10.9	11.3	5.6	33.6		26.3	6.3	339	27.3
47 TO 51	2.8	5.0	7.9	12.3	8.0	34.4		13.0	14.4	333	23.1
42 TO 46	2.0	1.0	18.9	16.3	12.2	4.1	20.9	3.1	19.4	196	15.8
37 TO 41		4.8	42.9	9.3	9.3	4.8			28.6	21	1.7
32 TO 36			100.0							1	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.2	.2	1.6	10.4	12.0	6.0	30.8	16.6	12.1	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

ALL

HOURS (L.S.T.)

MONTH

YEARS

STATION NAME

24255

STATION

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	16.0			6.0	8.0		32.0	36.0	4.0	23	2.1
67 TO 71	8.2		1.4	1.4	13.7	4.1	35.6	34.2	1.4	73	6.1
62 TO 66	3.3		2.1	7.1	10.4	4.2	47.5	22.9	2.5	240	20.0
57 TO 61	3.3		2.9	7.6	6.6	9.1	40.4	16.5	13.6	485	40.4
52 TO 56	1.7		5.4	5.1	6.3	8.5	43.3	10.8	18.8	351	29.3
47 TO 51		4.0	24.0	12.0	12.0	4.0		8.0	36.0	25	2.1
42 TO 46				100.0						1	.1
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.3	.1	3.8	6.5	7.8	7.3	41.3	17.4	12.4	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

JULY ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	8.3				16.7	2.1	18.8	73.0	6.3	16	1.3
62 TO 66	3.8		1.3	3.8	7.6	2.5	29.2	43.8		48	3.9
57 TO 61	3.5		1.9	6.5	6.2	5.7	32.9	41.1	7.0	138	12.7
52 TO 56	4.5	.4	2.1	4.0	4.7	9.8	38.8	26.6	10.8	369	29.8
47 TO 51	.9		8.5	.9	4.3	12.0	40.2	11.7	22.5	328	42.6
42 TO 46			25.0	25.0			33.3	3.4	36.8	117	9.4
37 TO 41									30.0	4	.3
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.9	.2	2.5	4.3	5.9	7.4	37.3	21.1	17.4	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

24255
STATION

WHIDBEY ISLAND, WASHINGTON

WIND DIRECTION

JAN 1973-DEC 1977

AUGUST

ALL

HOURS (L.S.T.)

YEARS

MONTH

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	4.1	.2	3.1	6.6	9.5	9.4	30.5	16.9	19.5	124.0	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

SEPTEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86				100.0						1	.1
77 TO 81											
72 TO 76	33.3			16.7				50.0		6	.5
67 TO 71	10.0		5.0	7.5	10.0	5.0	22.5	40.0		40	3.3
62 TO 66	8.0		.7	10.9	12.4	2.2	24.8	39.4	1.5	137	11.4
57 TO 61	8.4	.4	5.3	14.4	9.8	2.8	21.8	27.0	10.2	285	23.8
52 TO 56	5.5	.4	8.8	7.7	7.9	5.3	18.2	12.1	34.1	455	37.9
47 TO 51	1.3	.9	18.8	10.3	3.1	1.8	5.8	5.4	52.7	224	18.7
42 TO 46			32.0	4.0			2.0		62.0	50	4.2
37 TO 41									100.0	1	.1
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.8	.4	9.7	10.1	7.7	3.4	16.8	18.1	28.0	1199	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIOBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

OCTOBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66	5.1	2.6	1.3	18.2	45.5	3.8	18.2	16.2	3.8	11	.9
57 TO 61	5.6	.6	7.5	26.9	29.5	3.8	10.3	16.7	3.8	76	6.3
52 TO 56	5.7	.6	9.1	27.6	19.2	3.8	19.0	15.6	3.8	399	29.0
47 TO 51	2.6	.9	29.2	24.7	14.0	1.1	14.7	10.9	19.1	470	37.9
42 TO 46	.9	.9	41.3	19.5	8.2	.5	.5	2.6	38.9	193	15.7
37 TO 41			33.3	9.2	1.8				43.9	109	8.8
32 TO 36				38.9					27.8	18	1.5
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.6	.6	14.4	23.6	14.6	1.8	10.8	10.2	19.3	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

24235
STATION

JAN 1973-DEC 1977

YEARS

STATION NAME

NOVEMBER

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66					100.0					5	.4
57 TO 61				6.3	93.8					16	1.3
52 TO 56	.8	.8	2.5	35.6	52.5	.8	3.4	2.5	.8	118	9.8
47 TO 51	6.6	.6	10.2	25.5	20.7	1.6	14.0	12.1	8.9	314	26.2
42 TO 46	8.7	1.6	15.0	27.2	19.3	1.1	9.2	5.0	12.9	379	31.6
37 TO 41	7.1	2.6	28.6	28.6	9.2	.5	.5	1.0	21.9	196	16.3
32 TO 36	2.9	7.7	42.3	16.3			1.0		29.8	104	8.7
27 TO 31		5.1	38.5	19.4	2.6			2.6	35.9	39	3.3
22 TO 26	4.0	8.0	40.0	28.0	4.0				16.0	25	2.1
17 TO 21		25.0							75.0	4	.3
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.0	2.3	15.1	26.0	20.0	.9	7.1	5.3	14.4	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

24255

JAN 1973-DEC 1977

DECEMBER

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	3.3	1.8	19.2	35.2	14.5	1.4	8.5	3.5	12.6	184.0	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

WHIDBEY ISLAND, WASHINGTON

JAN 1973-DEC 1977

ALL

HOURS (L.S.T.)

24255

STATION

STATION NAME

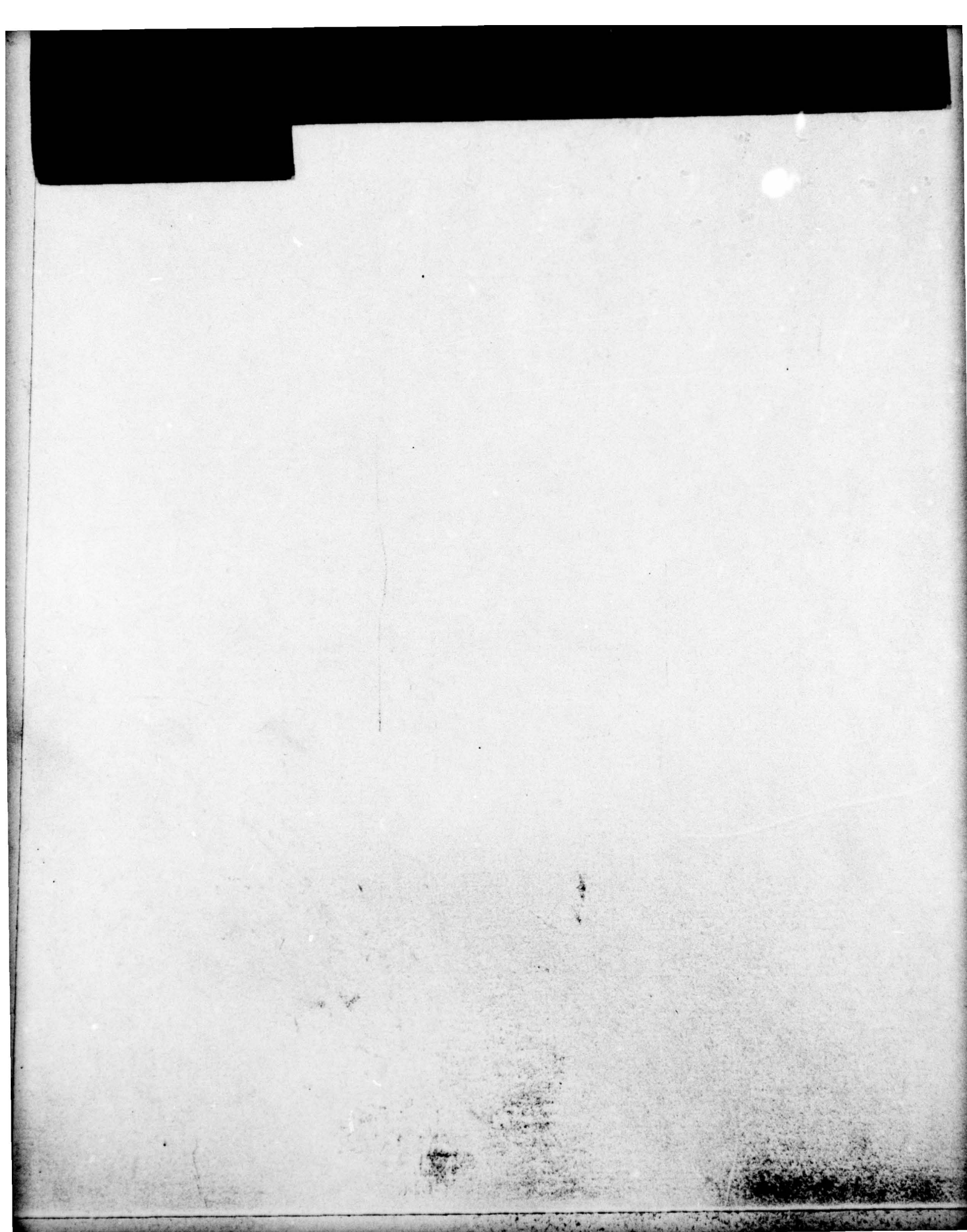
YEARS

ALL

MONTH

WIND DIRECTION

TEMP.	NINW & N	NINE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76	8.7	11.1	4.3	2.2	8.7		55.6	33.3	4.3	1	.0
67 TO 71	8.6	2.3	2.3	3.7	14.8	1.9	13.0	38.7	2.3	9	.1
62 TO 66	5.6	1.1	1.1	6.2	11.8	2.7	25.9	40.1	2.3	102	1.1
57 TO 61	5.0	2.9	2.9	10.8	11.5	4.3	30.3	37.3	4.7	390	3.8
52 TO 56	4.4	3	4.0	12.0	13.9	7.6	31.9	24.7	8.6	1492	10.2
47 TO 51	4.2	3	7.6	18.7	13.8	4.2	27.9	13.7	16.2	3274	22.4
42 TO 46	6.0	1.0	12.2	24.1	16.2	2.1	21.4	11.7	16.3	3316	24.1
37 TO 41	5.6	2.3	24.9	23.3	9.6	1.4	12.8	9.0	14.6	3030	20.7
32 TO 36	4.0	3.4	35.4	23.2	3.1	.6	4.6	3.6	22.6	1464	10.0
27 TO 31	5.6	4.4	38.9	15.9	1.9		.3	1.2	28.7	633	4.3
22 TO 26	6.8	2.9	33.0	21.4	1.9		.4	94	32.6	270	1.8
17 TO 21	3.8	7.7	46.2	7.7					34.0	103	.7
12 TO 16			33.3	16.7					34.6	26	.2
7 TO 11			100.0						30.0	6	.0
2 TO 6										1	.0
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	5.0	.9	10.8	17.6	13.6	3.9	19.3	12.8	16.2	14607	100.0

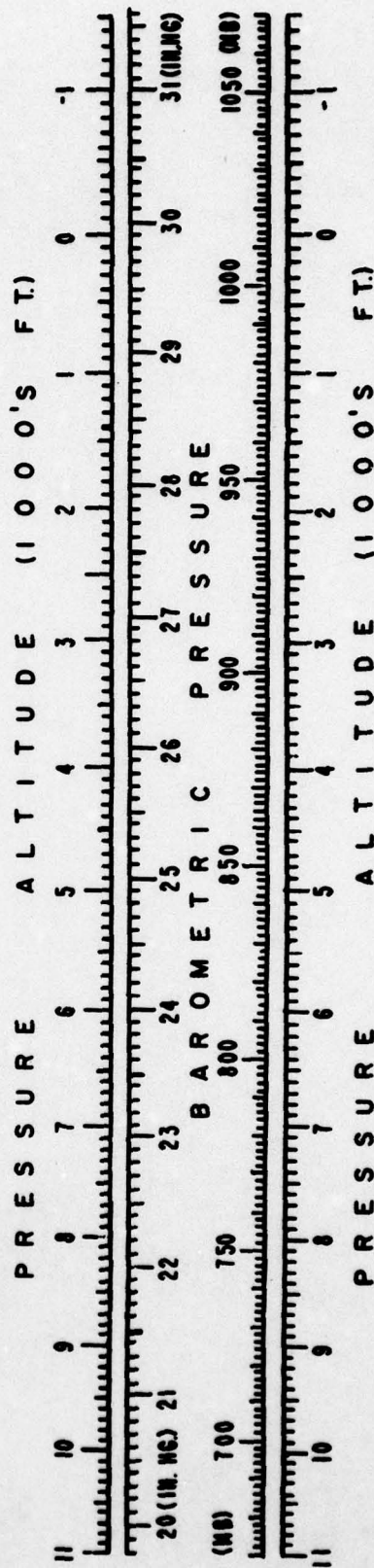


PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

WHIDBEY ISLAND, WASHINGTON

24255

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN 30.03929 S. D. .290 TOTAL OBS 155	MEAN 29.98829 S. D. .281 TOTAL OBS 141	MEAN 29.91930 S. D. .240 TOTAL OBS 155	MEAN 30.04629 S. D. .204 TOTAL OBS 150	MEAN 29.99930 S. D. .155 TOTAL OBS 155	MEAN 30.01730 S. D. .125 TOTAL OBS 150	MEAN 30.01429 S. D. .117 TOTAL OBS 155	MEAN 29.98530 S. D. .113 TOTAL OBS 155	MEAN 30.00030 S. D. .166 TOTAL OBS 150	MEAN 30.01629 S. D. .209 TOTAL OBS 155	MEAN 29.96329 S. D. .267 TOTAL OBS 150	MEAN 29.98429 S. D. .282 TOTAL OBS 155	MEAN 29.99829 S. D. .216 TOTAL OBS 1826
04	MEAN 30.04229 S. D. .290 TOTAL OBS 155	MEAN 29.98029 S. D. .290 TOTAL OBS 141	MEAN 29.91330 S. D. .246 TOTAL OBS 155	MEAN 30.04530 S. D. .208 TOTAL OBS 150	MEAN 29.99030 S. D. .158 TOTAL OBS 155	MEAN 30.02130 S. D. .128 TOTAL OBS 150	MEAN 30.02129 S. D. .118 TOTAL OBS 155	MEAN 29.98730 S. D. .113 TOTAL OBS 155	MEAN 30.00230 S. D. .168 TOTAL OBS 150	MEAN 30.01029 S. D. .213 TOTAL OBS 155	MEAN 29.96529 S. D. .267 TOTAL OBS 150	MEAN 29.98729 S. D. .281 TOTAL OBS 155	MEAN 29.99829 S. D. .218 TOTAL OBS 1826
07	MEAN 30.03829 S. D. .291 TOTAL OBS 155	MEAN 29.98029 S. D. .292 TOTAL OBS 141	MEAN 29.92130 S. D. .256 TOTAL OBS 155	MEAN 30.05930 S. D. .209 TOTAL OBS 150	MEAN 29.99330 S. D. .161 TOTAL OBS 155	MEAN 30.03630 S. D. .133 TOTAL OBS 150	MEAN 30.04130 S. D. .118 TOTAL OBS 155	MEAN 30.00630 S. D. .114 TOTAL OBS 155	MEAN 30.01930 S. D. .171 TOTAL OBS 150	MEAN 30.01529 S. D. .218 TOTAL OBS 155	MEAN 29.96429 S. D. .268 TOTAL OBS 150	MEAN 29.98329 S. D. .284 TOTAL OBS 155	MEAN 30.00729 S. D. .222 TOTAL OBS 1826
10	MEAN 30.05929 S. D. .287 TOTAL OBS 155	MEAN 29.99829 S. D. .290 TOTAL OBS 141	MEAN 29.93430 S. D. .259 TOTAL OBS 155	MEAN 30.06930 S. D. .208 TOTAL OBS 150	MEAN 29.99330 S. D. .159 TOTAL OBS 155	MEAN 30.03930 S. D. .134 TOTAL OBS 150	MEAN 30.04830 S. D. .117 TOTAL OBS 155	MEAN 30.01530 S. D. .114 TOTAL OBS 155	MEAN 30.03130 S. D. .168 TOTAL OBS 150	MEAN 30.03029 S. D. .222 TOTAL OBS 155	MEAN 29.98630 S. D. .269 TOTAL OBS 150	MEAN 30.00630 S. D. .283 TOTAL OBS 155	MEAN 30.02029 S. D. .221 TOTAL OBS 1826
13	MEAN 30.03529 S. D. .287 TOTAL OBS 155	MEAN 29.98929 S. D. .282 TOTAL OBS 141	MEAN 29.92530 S. D. .257 TOTAL OBS 155	MEAN 30.06030 S. D. .203 TOTAL OBS 150	MEAN 29.99430 S. D. .154 TOTAL OBS 155	MEAN 30.02930 S. D. .134 TOTAL OBS 150	MEAN 30.04230 S. D. .115 TOTAL OBS 155	MEAN 30.00530 S. D. .112 TOTAL OBS 155	MEAN 30.01630 S. D. .166 TOTAL OBS 150	MEAN 30.01629 S. D. .217 TOTAL OBS 155	MEAN 29.96729 S. D. .272 TOTAL OBS 150	MEAN 29.98729 S. D. .284 TOTAL OBS 155	MEAN 30.00729 S. D. .219 TOTAL OBS 1826
16	MEAN 30.02129 S. D. .289 TOTAL OBS 155	MEAN 29.97429 S. D. .273 TOTAL OBS 141	MEAN 29.91030 S. D. .247 TOTAL OBS 155	MEAN 30.04129 S. D. .200 TOTAL OBS 150	MEAN 29.99730 S. D. .151 TOTAL OBS 155	MEAN 30.01330 S. D. .134 TOTAL OBS 150	MEAN 30.02229 S. D. .115 TOTAL OBS 155	MEAN 29.98329 S. D. .111 TOTAL OBS 155	MEAN 30.00229 S. D. .161 TOTAL OBS 150	MEAN 29.95829 S. D. .206 TOTAL OBS 155	MEAN 29.93829 S. D. .263 TOTAL OBS 150	MEAN 29.98329 S. D. .283 TOTAL OBS 155	MEAN 29.99129 S. D. .215 TOTAL OBS 1826
17	MEAN 30.02229 S. D. .288 TOTAL OBS 155	MEAN 29.97429 S. D. .271 TOTAL OBS 141	MEAN 29.91130 S. D. .239 TOTAL OBS 155	MEAN 30.03229 S. D. .194 TOTAL OBS 150	MEAN 29.98630 S. D. .145 TOTAL OBS 155	MEAN 30.00330 S. D. .129 TOTAL OBS 150	MEAN 29.96229 S. D. .113 TOTAL OBS 155	MEAN 29.96729 S. D. .109 TOTAL OBS 155	MEAN 29.98230 S. D. .159 TOTAL OBS 150	MEAN 29.95829 S. D. .204 TOTAL OBS 155	MEAN 29.93829 S. D. .263 TOTAL OBS 150	MEAN 29.98329 S. D. .283 TOTAL OBS 155	MEAN 29.98629 S. D. .212 TOTAL OBS 1826
22	MEAN 30.02929 S. D. .287 TOTAL OBS 155	MEAN 29.97929 S. D. .276 TOTAL OBS 141	MEAN 29.92430 S. D. .239 TOTAL OBS 155	MEAN 30.04829 S. D. .195 TOTAL OBS 150	MEAN 29.99830 S. D. .150 TOTAL OBS 155	MEAN 30.01430 S. D. .127 TOTAL OBS 150	MEAN 30.01629 S. D. .116 TOTAL OBS 155	MEAN 29.98029 S. D. .110 TOTAL OBS 155	MEAN 30.00229 S. D. .163 TOTAL OBS 150	MEAN 29.96329 S. D. .202 TOTAL OBS 155	MEAN 29.93829 S. D. .264 TOTAL OBS 150	MEAN 29.98329 S. D. .283 TOTAL OBS 155	MEAN 29.99629 S. D. .213 TOTAL OBS 1826
ALL HOURS	MEAN 30.03529 S. D. .288 TOTAL OBS 1240	MEAN 29.98329 S. D. .281 TOTAL OBS 1128	MEAN 29.92030 S. D. .248 TOTAL OBS 1240	MEAN 30.05030 S. D. .202 TOTAL OBS 1200	MEAN 29.99430 S. D. .154 TOTAL OBS 1240	MEAN 30.02230 S. D. .131 TOTAL OBS 1200	MEAN 30.02629 S. D. .117 TOTAL OBS 1240	MEAN 29.99129 S. D. .115 TOTAL OBS 1240	MEAN 30.00530 S. D. .164 TOTAL OBS 1200	MEAN 29.96529 S. D. .211 TOTAL OBS 1240	MEAN 29.93829 S. D. .267 TOTAL OBS 1200	MEAN 29.98329 S. D. .282 TOTAL OBS 1240	MEAN 29.99829 S. D. .217 TOTAL OBS 16608

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

YEARS

WHIDBEY ISLAND, WASHINGTON

STATION NAME

24255

STATION

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	1018.4 9.795 155	1016.6 9.519 141	1014.3 8.109 155	1018.6 6.915 150	1017.0 5.254 155	1017.6 4.225 150	1017.5 3.963 155	1016.5 3.818 155	1017.0 5.623 150	1017.6 7.067 155	1015.8 9.032 150	1016.5 9.523 155	1017.0 7.293 1826
04	1018.5 9.728 155	1016.4 9.792 141	1014.1 8.334 155	1018.5 7.032 150	1017.0 5.342 155	1017.7 4.316 150	1017.7 3.975 155	1016.6 3.828 155	1017.1 5.688 150	1017.4 7.212 155	1015.8 9.064 150	1016.6 9.486 155	1017.0 7.378 1826
07	1018.3 9.831 155	1016.3 9.890 141	1014.4 8.670 155	1019.0 7.069 150	1017.6 5.442 155	1018.2 4.496 150	1018.4 3.983 155	1017.2 3.630 155	1017.7 5.754 150	1017.7 7.384 155	1015.8 9.065 150	1016.5 9.584 155	1017.2 7.493 1826
10	1019.0 9.715 155	1016.9 9.794 141	1014.9 8.768 155	1019.4 7.039 150	1017.8 5.386 155	1018.3 4.552 150	1018.7 3.924 155	1017.5 3.838 155	1018.1 5.700 150	1018.1 7.511 155	1016.5 9.104 150	1017.2 9.644 155	1017.7 7.479 1826
13	1018.2 9.732 155	1016.7 9.546 141	1014.5 8.733 155	1019.1 6.872 150	1017.5 5.212 155	1018.0 4.550 150	1018.0 3.873 155	1017.2 3.769 155	1017.6 5.615 150	1017.6 7.332 155	1015.9 9.189 150	1016.6 9.590 155	1017.3 7.408 1826
16	1017.7 9.797 155	1016.1 9.236 141	1014.0 8.372 155	1018.4 6.754 150	1016.9 5.100 155	1017.5 4.538 150	1017.8 3.887 155	1016.4 3.765 155	1016.7 5.444 150	1017.1 6.992 155	1015.6 8.986 150	1016.5 9.559 155	1016.7 7.263 1826
19	1017.8 9.753 155	1016.1 9.181 141	1014.0 8.098 155	1018.0 6.621 150	1016.9 4.941 155	1017.1 4.374 150	1017.2 3.825 155	1015.9 3.686 155	1016.4 5.371 150	1017.1 6.884 155	1015.6 8.928 150	1016.4 9.555 155	1016.5 7.158 1826
22	1018.0 9.714 155	1016.3 9.325 141	1014.5 8.067 155	1018.6 6.588 150	1016.9 5.081 155	1017.5 4.280 150	1017.6 3.933 155	1016.3 3.709 155	1016.9 5.495 150	1017.3 6.839 155	1015.8 9.015 150	1016.7 9.569 155	1016.9 7.189 1826
ALL HOURS	1018.2 9.738 1240	1016.4 9.513 1128	1014.3 8.380 1240	1018.7 6.855 1200	1017.2 5.222 1240	1017.8 4.422 1200	1017.9 3.941 1240	1016.7 3.803 1240	1017.2 5.595 1200	1017.5 7.141 1240	1015.9 9.026 1200	1016.6 9.540 1240	1017.0 7.340 16608